

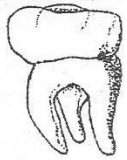



CLASS 8 HOLIDAY HOMEWORK TERM 2 2020

SCIENCE

THE HUMAN BODY

TEETH

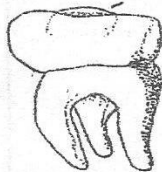
1. Which one of the following types of teeth is **not** correctly matched with its function?

 A. <i>Crushing and grinding food</i>	 B. <i>Cutting and tearing food</i>
 C. <i>Cutting and biting food</i>	 D. <i>Chewing and grinding food</i>

2. Which one of the following terms **does not** refer to the first set of teeth in human beings?

- A. Milk teeth
 B. Temporary Teeth
 C. Deciduous teeth
 D. Permanent teeth

3. Which one of the following statements is **correct** about the type of teeth shown below?



- A. They are the last to be shed
 B. They are used for biting and grinding
 C. They are twelve in an adult
 D. They have even tops

4. The **total number** of premolars on the upper jaw of an adult is?

- A. 4
 B. 8
 C. 2
 D. 12

BREATHING SYSTEM

5. Which one of the following **does not** happen during inhalation?

- A. Ribs move downwards
 B. Pressure in the chest increases
 C. Diaphragm flattens
 D. Lungs become inflated

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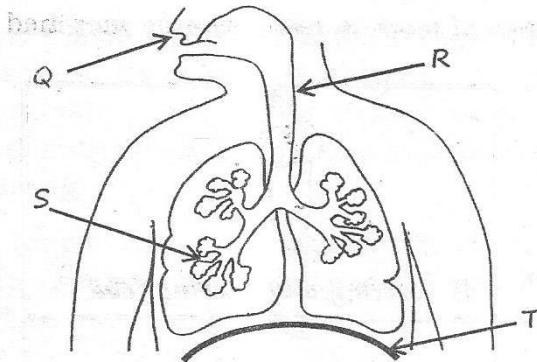
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6. In which one of the following parts of the breathing system is air **absorbed** into the blood stream?

- A. Trachea
- B. Nose
- C. Lungs
- D. Diaphragm

6.

7. The diagram below shows part of the human breathing system



7.

Which one of the following **correctly** shows the names of the parts marked Q, R, S and T?

	Q	R	S	T
A.	Nose	Oesophagus	Trachea	Diaphragm
B.	Nose	Windpipe	Bronchiole	Diaphragm
C.	Nose	Trachea	Alveoli	Diaphragm
D.	Nose	Gullet	Bronchus	Diaphragm

8. In which parts of the human breathing system are tiny hairs and mucus present?

- A. Nose and lungs
- B. Alveoli and trachea
- C. Bronchioles and Diaphragm
- D. Trachea and Nose

8.

DIGESTIVE SYSTEM

9. State the digestive juice found in each of parts listed below

Part	Digestive juice
Mouth	
Stomach	
Duodenum	
Small Intestine	

9.

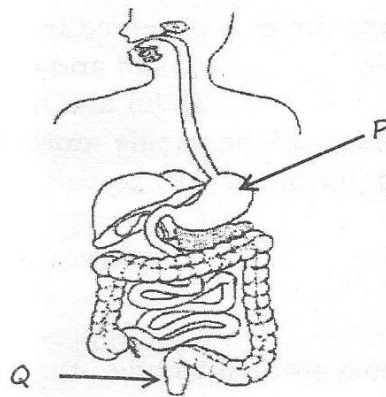
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10. Digestion of food **does not** occur in the _____
 A. Duodenum
 B. Mouth
 C. Ileum
 D. Colon
11. In which one of the following parts of the human digestive systems does the **absorption** of digested food take place?
 A. Rectum
 B. Stomach
 C. Small intestine
 D. Large intestine
12. Which one of the following is the function of the gullet in the gut?
 A. Producing digestive juices
 B. Allowing passage of food
 C. Digesting food
 D. Absorbing water
13. The absorption of water in the alimentary canal takes place in the?
 A. Colon
 B. Ileum
 C. Stomach
 D. Mouth

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Which one of the following types of food is digested in the part marked P?

- A. Proteins
 B. Starch
 C. Fats and oils
 D. Glucose
15. The function of the part marked Q is to _____
 A. Absorb the digested food
 B. Produce digestive juices
 C. Absorb water
 D. Store the undigested food materials

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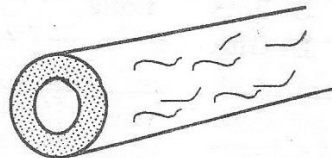
REPRODUCTIVE SYSTEM

16. Which one of the following is **not** a physical change during adolescence?
 A. Increase of weight and height
 B. Attraction to the opposite sex
 C. Enlargement of the hip bones
 D. Emergence of public hair
17. Which one of the following parts of the male reproductive system is **not correctly** matched with its role?
 A. Urethra –Allows passage of semen and urine
 B. Glands-produces fluids
 C. Sperm duct- Allow passage of urine and sperms
 D. Testis – produces sperms
18. Standard 6 pupils listed the following as physical changes during adolescence.
 (i) **Wet dreams**
 (ii) **Breasts enlarge**
 (iii) **Sweat glands become more active**
 (iv) **Voice breaks**
 Which one of the above changes are only observed in boys?
 A. (i) and (ii) C. (iii) and (iv)
 B. (i) and (iv) D. (ii) and (iv)
19. In which one of the following parts of the female reproductive system does the fertilization of the ovum take place?
 A. Fallopian tube C. Uterus
 B. Birth canal D. Ovary

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THE CIRCULATORY SYSTEM

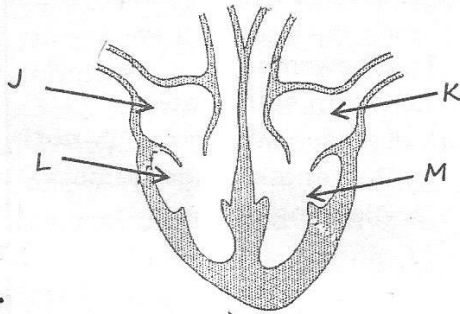
20. The blood vessel that takes deoxygenated blood to the lungs is the?
 A. Pulmonary vein C. Venaceva
 B. Aorta D. Pulmonary artery
21. The diagram below shows a blood vessel



The blood vessel illustrated above has all the following characteristics **except?**
 A. It carries blood away from the heart

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- B. It has a narrow lumen
 C. It has valves to prevent the backflow of blood
 D. It has pulse
22. Which one of the following substances is **not** transported by the blood plasma?
 A. Oxygen
 B. Carbon dioxide
 C. Digested food
 D. Urea
23. The diagram below shows the human heart



- Which letter represents the chamber of the heart that pumps blood to the stomach?
 A. J
 B. M
 C. L
 D. K

REPRODUCTION IN HUMAN BEINGS/EXCRETORY SYSTEM

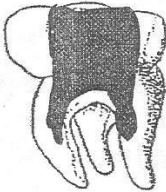
24. Which one of the following is the **main** cause of labour pains during the birth process?
 A. Removal of the after birth
 B. Tying of the umbilical cord
 C. Breaking of the amnion sac
 D. Contraction of the uterine walls
25. Which one of the following is a **function** of the placenta? It
 A. Protects the foetus from shock
 B. Facilitates the removal of wastes from the foetus
 C. Keeps the foetus warm
 D. Enables the foetus to turn freely
26. Which one of the following waste products is **not** excreted by the kidneys?
 A. Excess water
 B. Urea
 C. Carbon dioxide
 D. Excess salts

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27. Three of the following parts of the skin are located in the dermis except?	
A. Sweat pores	C. Root hair
B. Sweat glands	D. Fatty tissues
	27.

HEALTH EDUCATION

<u>CARE OF TEETH AND PROBLEMS RELATED TO TEETH</u>		
1. Which one of the following can be used for brushing teeth if toothpaste is not available?	A. Wood cash B. Dental floss	C. Chewed stick D. Warm salty water
2. Three of the following are signs of gum disease. Which one is not ?	A. Bad breath B. Holes on teeth	C. Red and swollen gums D. Bleeding of gums
		2.
3. The problem of teeth illustrated above is _____	A. Dental caries B. Gingivitis	C. Bad smell D. Plaque
4. Std 4 pupils from Migori listed the following as methods of maintaining strong and healthy teeth		
(i) <i>Taking food rich in calcium</i>		
(ii) <i>Visiting the dentist regularly</i>		
(iii) <i>Eating hard foods to strengthen teeth</i>		
(iv) <i>Eating cakes and sweets</i>		
Which one of the above methods is not correct?		
A. (iii)	C. (iv)	
B. (ii)	D. (i)	
<u>MEDICINES/CHEMICALS AND HIV/AIDS</u>		
5. Which one of the following is not a proper way of using medicines?		
A. Reading the instructions keenly after taking the medicine		
B. Using the medicines for only the recommended purpose		
C. Avoid taking expired medicines		
D. Always completing the prescribed dosage		
		5.

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6. Which one of the following types of medicines are also referred to as antibiotics? A. Preventive medicines B. Curative medicines C. Pain killers D. Vaccines	6.
7. The following are characteristics of a certain stage of HIV infection <i>(i) The patient shows no signs of the disease</i> <i>(ii) Medical test reveals the presence of the virus</i> <i>(iii) The patient still looks healthy</i> <i>(iv) The patient can infect other people</i> Which one of the following stages of HIV infection has the above characteristics? A. Window B. Full blown C. Asymptomatic D. Symptomatic	7.
8. Which one of the following is advisable when spraying chemicals? A. Spray against the direction of wind B. Wash hands before spraying C. Spray when it is raining D. Wear a gas mask when spraying	8.
<u>COMMON COMMUNICABLE DISEASES AND HIV/AIDS</u>	
9. The following are prevention and control methods of a certain communicable disease. <i>(i) Avoid overcrowded places</i> <i>(ii) Live in well ventilated houses</i> <i>(iii) Observe cleanliness</i> <i>(iv) Isolate the patients</i> The disease which is mostly prevented by the above measures is? A. Typhoid B. Malaria C. Tuberculosis D. Bilharzia	9.
10. Which one of the following is the main reason why infants should be immunized? A. To strengthen their teeth B. To cure the diseases that they may be suffering from C. To prevent them from crying frequently D. To prevent them from contracting some diseases	10.
11. Which one of the following sets of diseases can be prevented by vaccination? A. Cholera, typhoid, pertussis B. Whooping cough, measles, Bilharzia	11.

<p>C. Typhoid, Malariá, poliomyelitis D. Cholera, Bilharzia, malaria</p>		
<p>12. Three of the following are importance of HIV testing except?</p> <p>A. To overcome fear B. To eat a balanced diet C. To campaign against the spread of HIV D. To change behavior</p>	12.	
<p><u>DRUG ABUSE, MYTHS AND MISCONCEPTIONS ABOUT HIV/AIDS</u></p>		
<p>13. Which one of the following pair of drugs is NOT prohibited in Kenya?</p> <p>A. Alcohol and Khat B. Heroin and Tobacco C. Opium and glue D. Cocaine and Mandrax</p>	13.	
<p>14. Which one of the following is a social effect of drug abuse?</p> <p>A. Addiction B. Lack of concentration C. Loss of consciousness D. Dropping out of school</p>	14.	
<p>15. Std 7 pupils listed the following myths and misconceptions about HIV and AIDS</p> <p>Chebet:- AIDs is caused by witchcraft Kipchirchir:- Mosquito bites can transmit AIDs Ng'eno:- AIDs has no cure Kipruto:- AIDs is a punishment from God</p> <p>Which one of the above pupils gave a wrong statement?</p> <p>A. Kipruto B. Chebet C. Ng'eno D. Kipchirchir</p>	15.	
<p>16. Which one of the following drugs can affect your health if abused in your presence?</p> <p>A. Alcohol B. Tobacco C. Khat D. Cobbler's glue</p>	16.	
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**SEXUALLY TRANSMITTED INFECTIONS AND CONTROL
MEASURES FOR HIV/AIDS**

17. Which one of the following is **not** true about creating public awareness on HIV and AIDs? It can be done using _____
- A. Billboards
B. Televisions
C. Public gatherings
D. Mobile phones
18. Which one of the following sexually transmitted infections is **characterized** by swollen lymph nodes and regular sores called buboes?
- A. Gonorrhoea
B. Syphilis
C. Chancroid
D. Genital herpes
19. Which one of the following is **not** a control measure for HIV/AIDS?
- A. Treating the infected people in hospitals
B. Creating public awareness
C. Conducting campaigns through various media
D. Mass education
20. Among the following STI's, which one can easily cause eye infection or even blindness to the unborn babies?
- A. Syphilis
B. Gonorrhoea
C. Herpes
D. Chancroid

17.

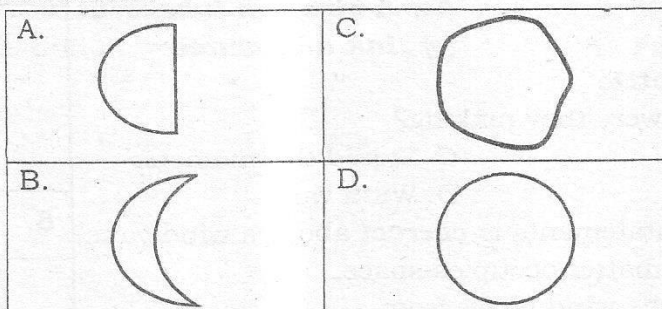
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WEATHER AND THE SKY

1. Which one of the following is **not** observed in the sky at day time?
- A. The sun
B. Clouds
C. Stars
D. Moon
2. The sun looks larger than the other stars mainly because it is?
- A. Too bright
B. Large
C. Seen during the day
D. Closer to the earth
3. Which one of the following phases of the moon is seen after the new moon?



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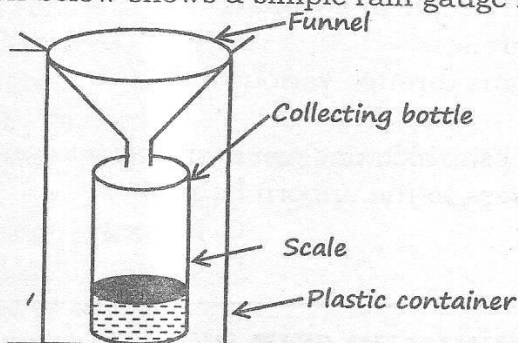
4. Which of the following features of clouds belongs to nimbus clouds?
- A. Lowest clouds
 - B. Have a flat base
 - C. Look like bundles of cotton wool
 - D. Occur in layers

4.

WEATHER INSTRUMENTS

5. Which one of the following weather instruments works on the principle that matter expands when heated and contracts when cooled?
- A. Liquid thermometer
 - B. Rain gauge
 - C. Wind vane
 - D. Windsock
6. The illustration below shows a simple rain gauge made by Std 5 pupils

5.



6.

The collecting bottle should _____

- A. be placed above the ground
 - B. be wide to collect enough water
 - C. have a funnel permanent sealed to its mouth
 - D. be transparent for easy reading
7. Std 5 pupils assembled the following materials during a Science lesson.

7.

- (i) Manilla paper
- (ii) Cellotape
- (iii) A thin walled glass bottle
- (iv) A biro pen tube
- (v) Ink and water

Which weather instrument were they making?

- A. Windsock
 - B. Air thermometer
 - C. Liquid thermometer
 - D. Wind vane
8. Which one of the following statements is **correct** about a wind vane?
- A. It works on the fact that matter occupies space
 - B. The arrow points where the wind blows from

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- C. It can show the speed of wind
- D. It shows both strength and direction of wind

WEATHER AND THE SOLAR SYSTEM

9. What are the **fifth** and the **seventh** planets from sun respectively?

- A. Mercury and Jupiter
- B. Mars and Neptune
- C. Jupiter and Uranus
- D. Earth and Uranus

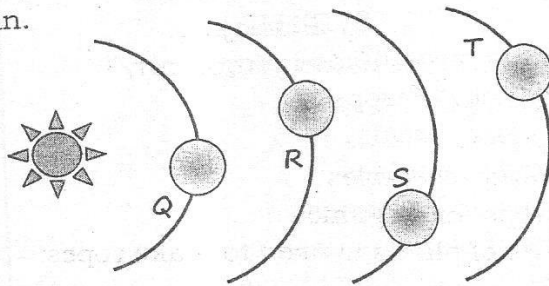
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10. Which one of the following statements about the solar system is **untrue**?

- A. Planets twinkle and give steady light
- B. The sun appears large because it is the closest star to the earth
- C. Stars produce their own light
- D. Planets appear bright because they reflect light from the sun

10.

11. The diagram below shows a section of the first four planets from the sun.



11.

Which one of the above letters represents the planets commonly known as the evening star?

- A. R
- B. T
- C. S
- D. Q

12. Three of the following materials are necessary when modeling the solar system **except**?

- A. Plasticine
- B. Cotton wool
- C. Manilla paper
- D. Papier mache

12.

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PLANTS

TYPES OF CROPS AND WEEDS

1. Which one of the following groups of crops is grown for their grains?
 - A. Green grams, beans, peas
 - B. Potatoes, cassava, yams
 - C. Kales, cabbage, spinach
 - D. Wheat, rice, sorghum
2. The following are descriptions of a certain weed:-
 - (i) *Grows upright*
 - (ii) *Produces purple flowers*
 - (iii) *Has thorns on the stems and leaves*
 - (iv) *The fruits are green and white striped*
 The weed described above is _____
 - A. Wandering jew
 - B. Thorn apple
 - C. Sodom apple
 - D. Black jack
3. Which one of the following *lists* is made of food crops only?
 - A. Cereals, legumes, vegetables and oil crops
 - B. Legumes, fruits, tuber crops and cereals
 - C. Beverages, fruits, legumes and vegetables
 - D. Vegetables, cereals, fibre crops and legumes
4. Which one of the following pairs of plants is used to make ropes and baskets?
 - A. Coconut plant and sisal
 - B. Sunflower and cotton
 - C. Coffee and cocoa
 - D. Neem plant and flax

CLASSIFICATION OF PLANTS

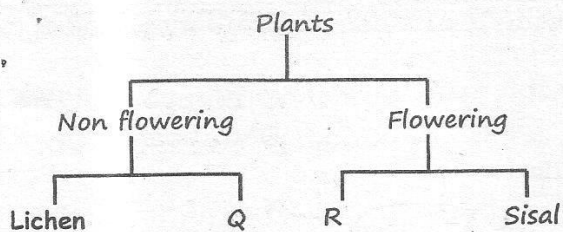
5. Which one of the following plants reproduces by *means* of spores?
 - A. Algae
 - B. Mushroom
 - C. Yeast
 - D. Grass
6. Which one of the following pairs *consists* of stem tubers only?
 - A. Yams and Irish potatoes
 - B. Onions and arrow roots
 - C. Sweet potatoes and carrots
 - D. Irish potatoes and onions

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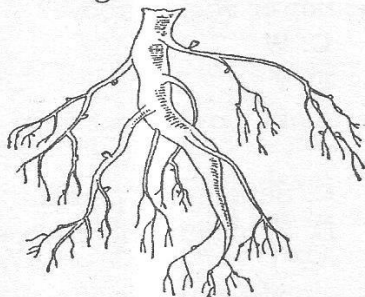
7. The chart below shows classification of plants



Which of the following plants can correctly fit in the marked Q and R respectively?

- A. Pine and maize
- B. Mucor and cypress
- C. Beans and Mushroom
- D. Puffball and cedar

8. Study the diagram below



Which one of the following plants has the same root system as the one shown above

- A. Rice
- B. Napier grass
- C. Sisal
- D. Black jack

GROWTH AND REPRODUCTION IN PLANTS

9. The following are characteristics of flowers:-

- P: Loosely attached anthers**
- Q: Large feathery stigma**
- R: Flat sticky stigma inside the flower**
- S: Strong pleasant smell**

Which two are characteristics of insect pollinated flowers?

- A. Q and R
- B. P and R
- C. R and S
- D. P and Q

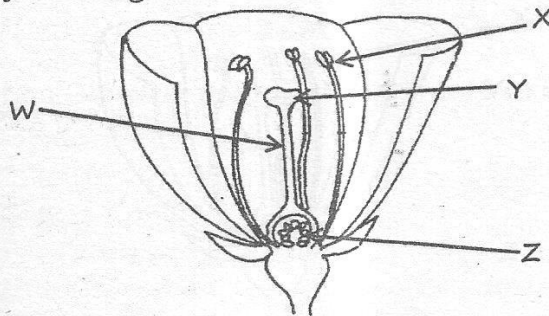
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10. Which one of the following plants has separate male and female flowers?

- A. Sisal
- B. Maize
- C. Mango
- D. Cabbage

10.

11. Study the diagram below



11.

Where does fertilization take place in the flower shown above?

- A. Z
- B. X
- C. W
- D. Y

12. Which one of the following shows the parts of a flower that form the pistil?

- A. Pollen grains and ovules
- B. Stigma and style
- C. Sepals and petals
- D. Filament and anther

12.

INTERDEPENDENCE BETWEEN PLANTS AND ANIMALS/CROP

PESTS

13. The following are insectivorous plants. Which one is *not*?

- A. Venus Fly trap
- B. Pitcher plant
- C. Bladderwort
- D. Dodder plant

13.

14. Which of the following effects of pests *does not* affect crops?

- A. Anaemia
- B. Reduced quality of produce
- C. Low yields
- D. Transmission of diseases to crops

14.

15. Which one of the following crop pests destroys stored maize grains?

- A. Cutworms
- B. Weevils
- C. Moles
- D. Aphids

15.

16. One of the following crop pests attacks young seedlings and cuts them down. Which one?

- A. Stalk borers
- B. Army worms
- C. Cut worms
- D. Weaver birds

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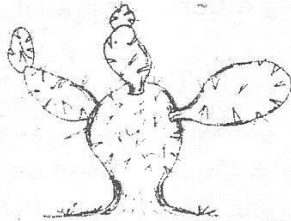
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ADAPTATIONS OF PLANTS AND EFFECTS OF CROP DISEASES

17. The plants that grow in wetlands have several adaptations for their survival. Which one of the following **does not** enable them to float? Presence of _____

- A. Flexible stems
- B. Floating flowers
- C. Large and broad leaves
- D. Air sacs

18. In the diagram shown below



Which one of the following statements is **not true** about the plant above? .

- A. It makes its food in the stems
- B. It is adapted to warm and wet conditions
- C. It is adapted to hot and dry areas
- D. It absorbs water from the soil and stores it in the stem

19. Three of the following are effects of crop diseases **except?**

- A. Reduced quality of produce
- B. Increased cost of production
- C. Curled leaves
- D. Reduced yields

20. Which one of the following plants is mesophyte?

- A. Euphorbia
- B. Duckweed
- C. Acacia
- D. Maize

ANIMALS

CHARACTERISTICS OF ANIMALS

1. Snails and slugs move by _____

- A. Slithering
- B. Gliding

- C. Crawling
- D. Hopping and leaping

2. Which one of the following pairs of animals are **kept** for mutton?

- A. Cattle and sheep
- B. Poultry and goats

- C. Goats and sheep
- D. Sheep and pigs

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3. The following are characteristics of animals:-
 (i) **React to changes in the environment**
 (ii) **Reproduce**
 (iii) **Move from one place to another**
 (iv) **Remove waste**
 Which one of the above characteristic makes a dog to pant on a hot day?
 A. (iv) C. (ii)
 B. (iii) D. (i)
4. Which one of the following animals has different types of movement from the others?
 A. Ostrich C. Bee
 B. Moth D. Bat

CLASSIFICATION OF ANIMALS

5. Which one of the following consists **only** of a pair of animals that have constant body temperature?
 A. Turtle and Hawk C. Cat and Bat
 B. Whale and Shark D. Bat and Shark
6. Which one of the following animals is **not** an invertebrate?
 A. Centipede C. Slug
 B. Scorpion D. Seal
7. Which one of the following animals has scales on its body?
 A. Frog C. Bat
 B. Chameleon D. Newt
8. Below are characteristics of vertebrates
 (i) **Breathe by means of lungs** (iii) **Warm blooded**
 (ii) **Have scales** (iv) **Lay eggs**
 Which one of the following animals has all the above characteristics?
 A. Hen C. Lizard
 B. Spiny ant eater D. Bat

ANIMAL FEEDING

9. The following are methods of grazing. Which method does a farmer use a movable fences?
 A. Zero grazing C. Tethering
 B. Strip grazing D. Paddocking

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10. The table below shows constituents of a balanced diet for livestock,

Nutrient	Sources
Carbohydrates	Wheat bran and honey
Proteins	Fish meal and legumes
Fats and oils	Cotton seeds and sunflower seeds
Vitamins	Molasses and salt licks

Which one of the above is **wrongly** matched with its source?

- A. Carbohydrates
- B. Fats and oils
- C. Vitamins
- D. Proteins

11. A certain rotational method of grazing has the following features:

- (i) **Animals graze at restricted portions**
- (ii) **It has permanent fence**
- (iii) **Each portion has a watering point**

Which method of grazing has the above features?

- A. Tethering
- B. Herding
- C. Strip grazing
- D. Paddocking

12. Which one of the following animal feeds provides proteins in a diet?

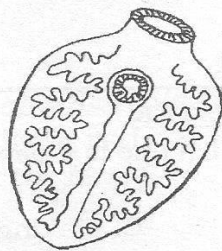
- A. Lucerne
- B. Salt licks
- C. Rice husks
- D. Napier grass

LIVESTOCK PARASITES AND HUMAN INTESTINAL WORMS

13. Which one of the following is the **best** method of controlling ticks and tapeworms?

- A. Dipping
- B. Deworming
- C. Rotational grazing
- D. Spraying

14. The livestock parasite shown below is mainly found in the?



- A. Small intestine
- B. Lungs
- C. Brain
- D. Large intestine

15. Which one of the following parasites attacks only sheep and goats?

- A. Lungworms
- B. Hookworms
- C. Roundworms
- D. Tapeworms

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16. Three of the following are methods of controlling human intestinal worms **except**?

- A. Proper cooking of food
- B. Regular deworming
- C. Proper sanitation
- D. Clearing the bushes

16.

ADAPTATION OF ANIMALS AND ANIMAL DISEASES

17. The diagram below shows a beak of a bird.



The bird most likely feeds on _____

- A. Nectar
 - B. Grains
 - C. Water food
 - D. Flesh
18. Which one of the following birds **does not** have webbed feet?
- A. Duck
 - B. Seagull
 - C. Flamingo
 - D. Turkey

17.

18.

19. The **main** role of the toothless gap in the mouth of a herbivore is to _____

- A. Help in crushing bones
 - B. Allow turning of vegetable materials for proper chewing
 - C. Take sufficient amount of water
 - D. Prevent the food from getting stuck in the mouth
20. Three of the following are effects of livestock diseases. Which one is **not**?

- A. Death of the animal
- B. Poor quality of products
- C. Lower yields
- D. Reduced yields

19.

20.

WATER

USES OF WATER AND STORAGE OF WATER

1. The following are uses of water. Which one is a use of water in the factory?

- A. Surfing
- B. Watering animals
- C. Making fountains
- D. Washing clothes

1.

2. Which one is **not** a way of storing water?

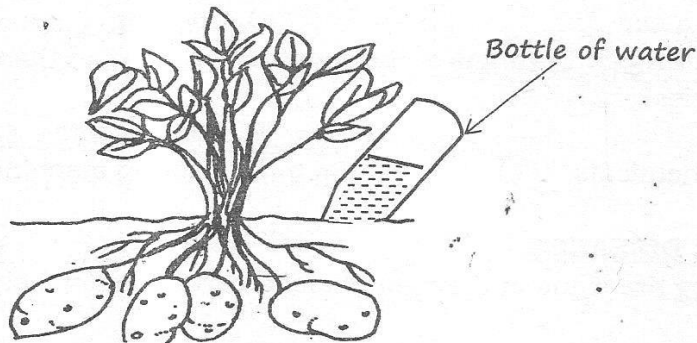
- A. Pots
- B. Drums
- C. Dams
- D. Taps

2.

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10. The method of water conservation illustrated below is _____



- | | |
|--|--|
| <p>A. Harvesting water
B. Mulching</p> | <p>C. Using water sparingly
D. Recycling</p> |
|--|--|
11. Which one of the following water pollutants may cause excessive growth of water plants such as algae?
- | | |
|--------------------------------------|--|
| <p>A. Oil spillage
B. Sewage</p> | <p>C. Industrial effluents
D. Farm chemicals</p> |
|--------------------------------------|--|
12. Elizabeth washed her bag and used the same water to wash her father's car. This method of conserving water is **known** as _____
- | | |
|--|--|
| <p>A. Re-using
B. Harvesting water</p> | <p>C. Recycling water
D. Using water sparingly</p> |
|--|--|

SOFT AND HARD WATER

13. Three of the following are sources of hard water. Which one is **not**?
- | | |
|--------------------------------------|------------------------------|
| <p>A. Rain water
B. Borehole</p> | <p>C. Ocean
D. Lakes</p> |
|--------------------------------------|------------------------------|
14. When hard water is boiled using boilers, it forms a coating inside the boiler. This coating is **referred** to as _____
- | | |
|---------------------------|------------------------------|
| <p>A. Foam
B. Fur</p> | <p>C. Lather
D. Scum</p> |
|---------------------------|------------------------------|
15. The following are disadvantages of hard water **except**?
- A. It discolours white garments
B. It leads to wastage of soap
C. Leads to formation of scale that clogs pipes
D. It contains minerals that strengthen teeth.
16. Permanent hardness of water can be removed by _____
- | | |
|---|--|
| <p>A. Boiling
B. Addition of table salt</p> | <p>C. Use of chemicals
D. Warming of water</p> |
|---|--|

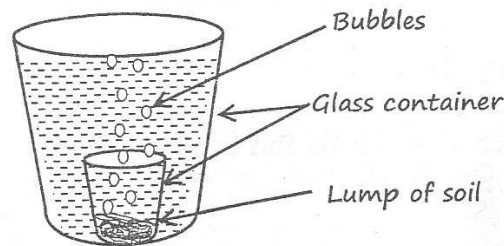
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SOIL

COMPOSITION OF SOIL

1. The two components of soil that are investigated by heating a sample of soil are _____
 A. Humus and air
 B. Air and living organisms
 C. Mineral particles and water
 D. Water and humus
2. The set-up below was done by Std 4 pupils from Keroka Preparatory School during a science lesson.



Which component of soil were the pupils investigating? Presence of _____

- A. Living organisms in the soil
- B. Water in the soil
- C. Air in the soil
- D. Mineral particles in the soil
3. Which one of the following soil components is **least** affected when a sample of soil is heated strongly?
 A. Air
 B. Mineral Particles
 C. Water
 D. Organic matter
4. Three of the following animals live in the soil **except**?
 A. Chameleons
 B. Termites
 C. Ants
 D. Millipedes

THE PHYSICAL PROPERTIES OF SOIL

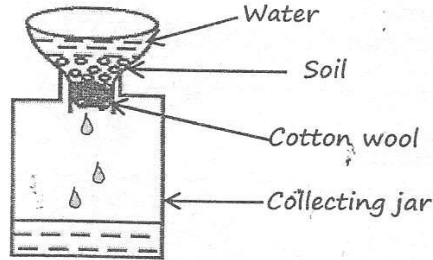
5. Which one of the following types of soil has the **best** drainage?
 A. Mixture of loam and clay
 B. Clay
 C. Loam
 D. Sand
6. Which one of the following properties of soil **does not** depend on the size of its particles?
 A. Capillarity
 B. Drainage
 C. Colour
 D. Water retention

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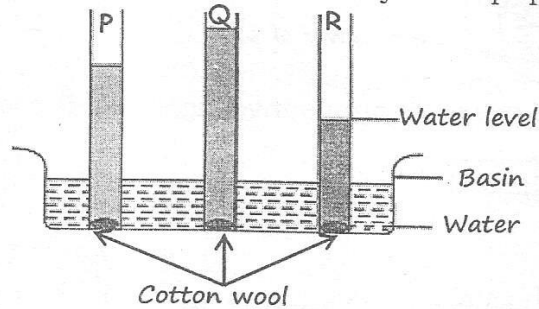
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7. The diagram below shows a set-up used to investigate certain aspects of soil.



Which pair of **aspects** can be investigated using the above set-up?

- A. Texture and capillarity
 - B. Texture and drainage
 - C. Drainage and water retention
 - D. Capillarity and drainage
8. The following activity was carried out by Std 5 pupils



From the observations made above, it is true to say that soil _____

- A. P is the best for making ribbons
- B. Q is the best for farming
- C. R is found in places with anthills
- D. Q has the finest particles

SOIL EROSION

9. Which one of the following human activities increases soil erosion?

- A. Burning bushes
- B. Afforestation
- C. Planting Napier grass on sloppy areas
- D. Zero grazing

10. The type of soil erosion that is **not** easily noticed is _____

- A. Rill erosion
- B. Gully erosion
- C. Splash erosion
- D. Sheet erosion

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- | | |
|--|-----|
| 11. Sheet erosion is caused by _____
A. Water only
B. Water and wind
C. Wind only
D. Animals only | 11. |
| 12. Which one of methods is the best for controlling the deep V-shaped valleys caused by flowing water? Using _____
A. Contour farming
B. Terraces
C. Porous dams
D. Mulching | 12. |

SOIL FERTILITY

- | | |
|---|-----|
| 13. Which one of the following should be used as the second layer from the top when assembling and preparing materials in a compost heap?
A. Top soil
B. Ash
C. Maize stalk
D. Farmyard manure | 13. |
| 14. Which one of the following ways of improving soil fertility will take the longest time for plants to get nutrients?
A. Green manure
B. Compound fertilizer
C. Straight fertilizer
D. Farmyard manure | 14. |
| 15. Three of the following are examples of straight fertilizers. Which one is not ?
A. Calcium ammonium nitrate
B. Double Super phosphates
C. Diammonium phosphate
D. Muriate of potash | 15. |
| 16. Which one of the following types of manure is prepared from animal droppings and their beddings?
A. Green manure
B. Compost manure
C. Organic mulches
D. Farmyard manure | 16. |

ENVIRONMENT

MEANING AND COMPONENTS OF THE ENVIRONMENT

- | | |
|--|----|
| 1. Which one of the following is a living component of the environment?
A. Air
B. Water
C. Soil
D. Plants | 1. |
| 2. Which one of the following is not true about the environment?
A. Plants and animals form the living part of the environment
B. Water is the largest component of the environment
C. Buildings and cars are major components
D. The environment has five major components | 2. |

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3. Which one of the following is **not** a major component of the environment?

- A. Air
- B. Sound
- C. Soil
- D. Animals

4. The following are some components of the environment

- (i) **Air**
- (ii) **Plants**
- (iii) **Lights**
- (iv) **Plastic bottles**
- (v) **Soil**

Which one of the following is a pair of minor components from the above list?

- A. (i) and iv)
- B. (i) and (v)
- C. (iii) and (v)
- D. (iv) and (v)

SOIL POLLUTION, CONSERVATION AND AIR POLLUTION

5. Which one of the following is an effect of soil pollution on living things?

- A. Kills aquatic animals
- B. Suffocates living things in the soil
- C. Causes respiratory disorders
- D. Corrodes iron sheets

6. Which one of the following is **not** a cause of air pollution?

- A. Using excess fertilizers
- B. Spraying farm chemicals
- C. Tobacco smoking
- D. Vehicle exhaust fumes

7. Which one of the following pair of gases **causes** acid rain?

- A. Carbon dioxide and carbon monoxide
- B. Nitrogen and carbon monoxide
- C. Inert gases and sulphur dioxide
- D. Sulphur dioxide and carbon dioxide

8. The following are soil pollutant **except?**

- A. Acid rain
- B. Engine oil
- C. Excess organic matter
- D. Excess fertilizers

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FOODS AND NUTRITION

BASIC FOOD GROUPS AND BALANCED DIET

1. Which one of the following types of foods is *incorrectly* matched with the groups of food it belongs?

A.	Bread	Body building food
B.	Honey	Energy giving food
C.	Cabbage	Protective food
D.	Fish	Body building food

2. Which one of the following represents the three basic food groups required in our body?

A. Kales, ugali, Apples

B. Spinach, Beans, Chapati

C. Meat, Fish, maize

D. Rice, Yams, chapati

3. Three of the following are examples of body- building foods *except*?

A. Peas

B. Chicken

C. Arrow roots

D. Eggs

4. A meal that contains the three basic food groups is said to be a?

A. Strong meal

B. Deficient meal

C. Proper diet

D. Balanced diet

NUTRIENTS IN FOOD AND NUTRITIONAL DEFICIENCY DISEASES

5. Which one of the following is *not* a symptom of marasmus?

A. Muscle wastage

B. Bones become visible underneath the skin

C. Loss of weight

D. Protruding stomach

6. The main role of fibre in food is to _____

A. Prevent constipation

B. Prevent dehydration

C. Help to cool the body

D. Help in the digestion of food

7.



The above illustration shows a child suffering from _____

A. Kwashiorkor

B. Anaemia

C. Rickets

D. Marasmus

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1.

2.

3.

4.

5.

6.

7.

8. Which one of the following mineral salts helps in blood clotting?
 A. Iron
 B. Calcium
 C. Iodine
 D. Phosphorous

8.

FOOD PRESERVATION

9. The method of food preservation that is both modern and traditional is _____
 A. Smoking
 B. Sun drying
 C. Freezing
 D. Canning
10. Which one of the following pairs of food can be preserved using ash?
 A. Beef and Beans
 B. Kales and fish
 C. Millet and guavas
 D. Potatoes and Beans
11. Which one is **not** a traditional method of food preservation?
 A. Salting
 B. Smoking
 C. Canning
 D. Use of honey
12. Which one of the following methods of food preservation is suitable for preserving grains?
 A. Drying
 B. Salting
 C. Canning
 D. Smoking

9.

10.

11.

12.

NUTRITIONAL NEEDS FOR SPECIAL GROUPS AND FOOD**POISONING**

13. The main reason why lactating mothers should have enough intake of foods rich in iron is to _____
 A. Prevent dehydration
 B. Prevent constipation
 C. Replace the blood lost during birth
 D. Boost their immunity
14. Mothers are advised to feed their infants with breast milk **mainly** because it _____
 A. Boosts the baby's immunity
 B. Is ready when required
 C. Is not easily contaminated
 D. Allows the mother and the child to bond
15. The process of introducing other foods to the body in addition to the mother's breast milk is best known as _____
 A. Hardening,
 B. Weaning
 C. Nursing
 D. Colostrum

13.

14.

15.

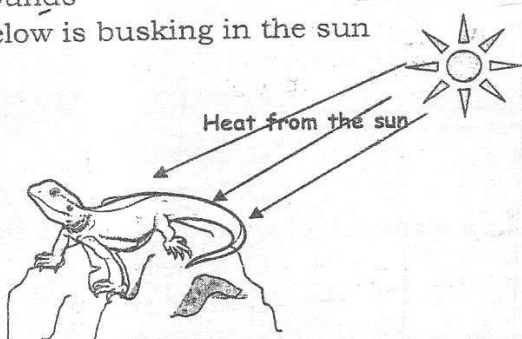
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<p>16. Which one of the following foods is least suitable for a HIV patient?</p> <p>A. Boiled foods B. Steamed foods C. Salted foods D. Spiced foods</p>	16.

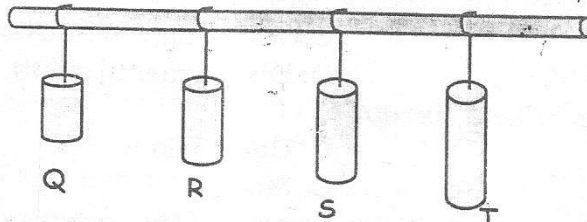
ENERGY

LIGHT AND HEAT			
<p>1. Which one of the following is not a use of light?</p> <p>A. Photosynthesis B. Photography C. Warming the house D. Discouraging pests</p>		1.	
<p>2. The following are sources of heat except?</p> <p>A. Fire B. Sun C. Gas cooker D. Moon</p>		2.	
<p>3. Which one of the following is an artificial way of lighting a house? Using _____</p> <p>A. Sky lights B. Hurricane lamps C. Doors D. Windows</p>		3.	
<p>4. Three of the following are uses of heat. Which one is not?</p> <p>A. Reading comfortably B. Cooking food C. Ironing clothes D. Drying grains</p>		4.	
SOUND AND HEAT			
<p>5. A student was blind folded and asked to listen as a bell was rang from different positions. Which aspect of sound was being investigated?</p> <p>A. Direction of sound B. Special sounds C. High and low sound D. Effect of sound pollution</p>		5.	
<p>6. The lizard below is busking in the sun</p>			6.
<p>The heat reaches it by _____</p> <p>A. Conduction B. Radiation C. Convection D. Condensation</p>			

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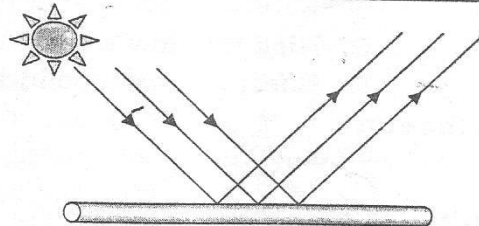
7. Heat from the sun reaches our bodies by _____
 A. Radiation and convection
 B. Convection only
 C. Conduction and radiation
 D. Radiation only
8. Std.5 pupils cut different lengths of same metal rod and suspended them as shown below



- Which one of the above metal pieces produce the **lowest** sound when struck with a nail?
 A. Q
 B. T
 C. R
 D. S

LIGHT

9. Which one of the following pair shows a translucent and a transparent material respectively?
 A. Wood and water
 B. Clear glass and milk
 C. Oiled paper and air
 D. Frosted glass and mirror
10. The illustration below shows _____



- A. Irregular reflection
 B. Diffuse reflection
 C. Spectrum
 D. Regular reflection
11. When a pencil is put in a glass full of water, it appears bent due to
 A. Refraction
 B. Dispersion
 C. Reflection
 D. Conversion
12. Which one of the following colours of the rainbow is the most refracted?
 A. Green
 B. Violet
 C. Blue
 D. Red

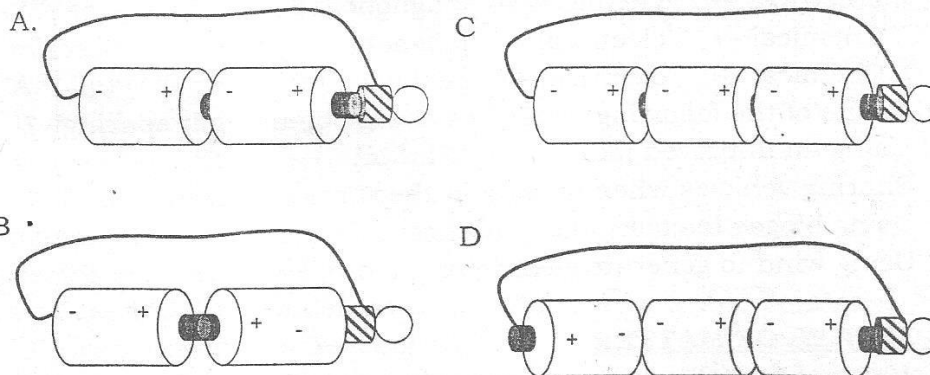
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ELECTRICITY

13. Which one of the following is **not** a safety measure against static electricity?
- A. Avoid leaving on wall when it is raining
 - B. Avoid walking on pools of water during thunderstorms
 - C. Avoid wearing shoes with thick rubber sole when it is raining
 - D. Avoid sheltering under trees when it is raining.

14. Which one of the following is **not** a source of electricity?
- A. Torch
 - B. Solar panel
 - C. Car battery
 - D. Diesel generators

15. In which one of the following arrangements will the bulb not light?



16. Lightning arrestors are made of _____
- A. Thin silver rod
 - B. Thick plastic rod
 - C. Thin zinc rod
 - D. Thick copper wire

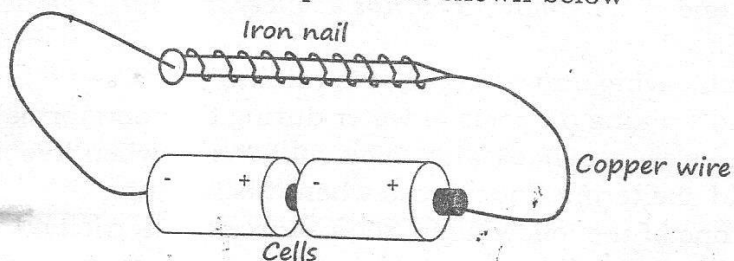
TRANSFORMATION / CONSERVATION OF ENERGY

17. Three of the following are the main ways of conserving energy **except?** Using _____
- A. Energy sparingly
 - B. Energy-efficient devices
 - C. Renewable sources of energy
 - D. Non-renewable source of energy

18. Which one of the following is a Non-renewable source of energy?
- A. Coal
 - B. Firewood
 - C. Biogas
 - D. Charcoal

		13.
		14.
		15.
		16.
		17.
		18.
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19. Class 8 pupils set-up the experiment shown below



The energy transformation in the above arrangement is?

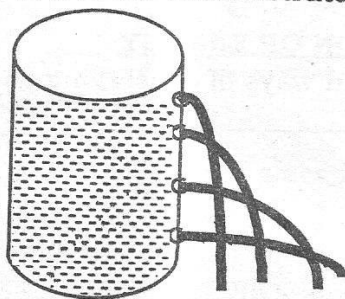
- A. Chemical \rightarrow heat \rightarrow light
 B. Electrical \rightarrow chemical \rightarrow Magnetic
 C. Chemical \rightarrow electrical \rightarrow Magnetic
 D. Chemical \rightarrow electrical \rightarrow heat

20. Which one of the following conserves energy by using it sparingly?

- A. Using an improved jiko
 B. Sharing vehicles when moving in the same direction
 C. Using biogas to cook
 D. Using wind to generate electricity

PROPERTIES OF MATTER

1. Which one of the following statements is **correct** about pressure in liquids? Pressure in liquids _____
- A. Increases with depth
 B. Acts in only one direction
 C. Is greatest at the top part of a tin
 D. Is different at the same level
2. The illustration below demonstrates that _____



- A. Pressure in liquids increases with height
 B. Pressure in liquids is equal at all levels
 C. Pressure in liquids is greatest at the bottom of a container
 D. Pressure acts equally in all directions

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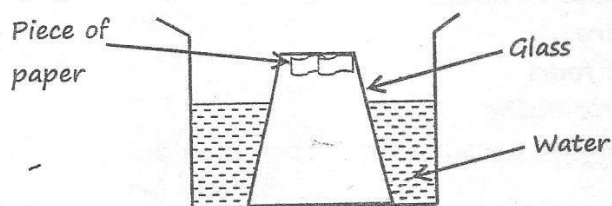
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3. Which one of the following will **not** affect floating and sinking of an object?
- A. Type of material
B. Size
C. Shape
D. Weight
4. A crushed bottle top sinks in water while metal bowl floats. This is due to the difference in _____
- A. Size
B. Shape
C. Type of material
D. Shape

STATE CHARACTERISTICS AND EFFECTS OF HEAT ON MATTER

5. Which one of the following is the **correct** order of change of states of matter?
- A. Liquid → gas → solid
B. Solid → liquid → gas
C. Gas → Solid → liquid
D. Solid → gas → liquid
6. Which one of the following pairs of changes of states of water requires an increase in temperature?
- A. Freezing and condensation
B. Evaporation and freezing
C. Melting and condensation
D. Melting and evaporation
7. Std. 5 pupils were investigating an aspect of air as shown below



From the above experiment, the pupils concluded that _____

A. Air occupies space
B. Air is heavier than water
C. Air expands when heated
D. Air has mass

8. The following are characteristics of a certain state of matter.

- (i) **Has definite mass**
(ii) **Has indefinite shape**
(iii) **Has a definite volume**

Which one of the substances given below has all the above characteristics?

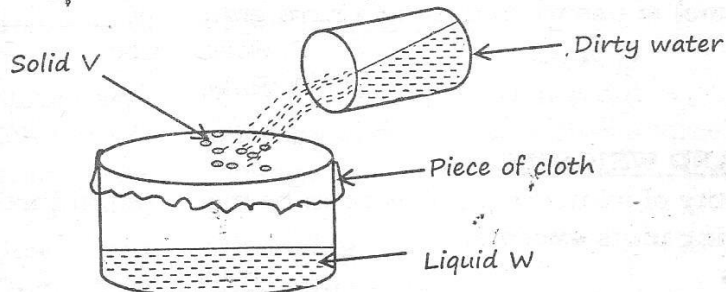
- A. Stone
B. Oxygen
C. Blood
D. Chalk dust

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15. The diagram below shows a method of separating mixtures



What is the correct name given to solid V and liquid W respectively?

- A. Residue, filtrate
- B. Sediment, water
- C. Solvent, solute
- D. Sediment, residue

16. Which one of the items listed below can be attracted by a magnet?

- A. Carbon rod
- B. Steel spoon
- C. Copper coin
- D. Aluminum rod

MAKING WORK EASIER

SIMPLE TOOLS AND THEIR MAINTENANCE

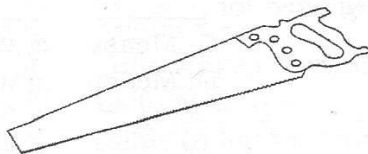
1. Which one of the following is **not** a way of maintaining simple tools?

- A. Proper storage
- B. Using them regularly
- C. Cleaning them after use
- D. Repairing broken handles

2. Which one of the following tools **cannot** be maintained by sharpening?

- A. Hammer
- B. Saw
- C. Jembe
- D. Panga

3. The illustration below shows a simple tool



The main reason why the above tool needs oiling is to _____

- A. Reduce friction
- B. Make the handle strong
- C. Make it sharp
- D. Prevent rusting

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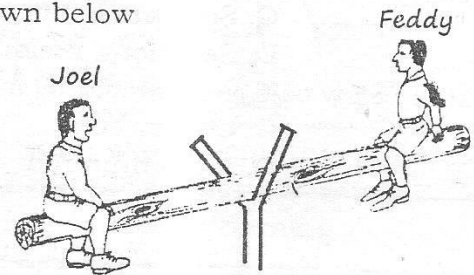
4. The best tool to use when digging a hard ground is _____
 A. Axe
 B. Hoe
 C. Fork jembe
 D. Rake

4.

BALANCING AND WEIGHING

5. The quantity of matter in an object can be measured in three of the following units **except**?
 A. Tonnes
 B. Kilograms
 C. Grams
 D. Newton
6. Two boys at Maseno School were trying to balance on a see-saw as shown below

5.



6.

For the two boys to balance _____

- A. Feddy should move nearer the pivot
 B. Both boys should move away from the pivot
 C. Feddy should move away from the pivot
 D. Joel should move towards the pivot
7. Which one of the following **steps** comes first when making simple beam balance?
 A. Suspending tins on both sides of the arm
 B. Finding the balancing point of the arm
 C. Making a base, a stand and the arm
 D. Fixing the stand and the arm to the base
8. A weighing balance is **mainly** used for _____
 A. Measuring force
 B. Measuring mass
 C. Measuring volume
 D. Measuring weight

7.

8.

MOVEMENT AND FORCE

9. The amount of the force of gravity acting on an object is referred to as _____
 A. Inertia
 B. Friction
 C. Weight
 D. Pressure

9.

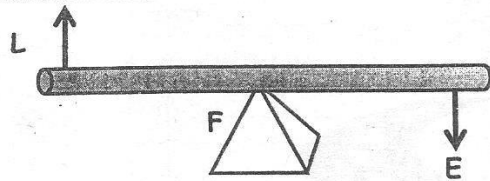
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10. The tendency of an object to remain in its state of either rest or motion is known as _____
- A. Gravity
B. Stationary
C. Gravity
D. Inertia
11. Which one of the following **correctly** describes a force?
- A. Ability to resist change
B. A push or a pull
C. Space occupied by matter
D. Quantity of matter in an object
12. Three of the following things can be done by a force. Which one cannot?
- A. Changing the state of matter of an object
B. Stopping a moving object
C. Making an object to move
D. Increasing the speed of a moving object

10.
11.
12.
13.
14.
15.
16.

FRICITION AND LEVERS

13. Which one of the following levers has the same arrangement as the one shown below?



- A. Wheel barrow
B. Spade
C. Crowbar
D. Bottle opener
14. The main purpose of having treads on car tyres is to _____
- A. Increase the grip on the road
B. Make them attractive
C. Reduce friction
D. Increase the surface area
15. Which one of the following is NOT an advantage of friction?
- A. It makes clothes to wear out
B. It makes it possible to light a match
C. It makes movement of people possible
D. It enables us to light a match
16. Friction cannot be reduced by _____
- A. Using ball bearing
B. Streamlining bodies

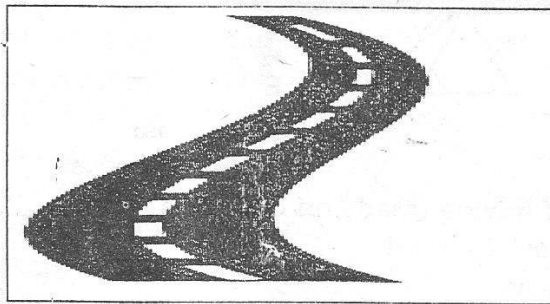
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- C. Using lubricants
- D. Making the surfaces rough

INCLINED PLANES AND PULLEYS

17. Which one of the following simple machines makes work easier by increasing the effort distance?
- A. Flag post
 - B. Ladder
 - C. Spade
 - D. Fishing rod
18. Three of the following are *true* statements about a single fixed pulley. Which one is *not*?
- A. The load moves twice the effort
 - B. Effort is applied towards gravity
 - C. It changes the direction of force
 - D. The effort applied is equal to the load
19. Which one of the following lists is made up of inclined planes only?
- A. Ladder, pulley, wheelbarrow
 - B. Scissors, panga, claw hammer
 - C. Staircase, ladder, ramp
 - D. Flagpost, ladder, screw
20. The illustration below shows a road winding up a hill



- It makes work easier by _____
- A. Changing the direction of force
 - B. Reducing the work done
 - C. Increasing the effort distance
 - D. Increasing friction

17.

18.

19.

20.

WEAK POINTS ANALYSIS TABLE**Attention**

All Sub topics in the syllabus of all classes are addressed with at least four questions. In case you fail two or more than two questions in every topic try to refer back to the topic. The table will help you know the class and at-least be aware of your weak point. Wish you the best.

Topic	Performance	Teachers Remarks
Human Body / 27	Std 4, 5, 6, 7, 8 27 Points _____	
Health Education / 20	Std 4, 5, 6, 7, 8 20 Points _____	
Weather and the sky / 12	Std 4, 5, 6, 7, 8 12 Points _____	
Plants / 20	Std 4, 5, 6, 7, 8 20 Points _____	
Animals	Std 4, 5, 6, 7, 8 20 Points _____ / 20	
Water / 16	Std 4, 5, 6, 7, 8 16 Points _____	
Soil / 16	Std 4, 5, 6, 7, 8 16 Points _____	
Environments	8 Points _____ / 8	
Food and nutrition / 16	Std 4, 5, 6, 7, 8 16 Points _____	
Energy / 20	Std 4, 5, 6, 7, 8 20 Points _____	
Properties of matter	Std 4, 5, 6, 7, 8 16 Points _____ / 16	
Making work easier / 20	Std 4, 5, 6, 7, 8 20 Points _____	