

INTEGRATED SCIENCE GRADE 5 - 7

REVISION QUESTIONS AND ANSWERS



SECOND EDITION

CHIPO KALIMINA

GRADE 7 COMPOSITE EXAMINATION

STUDY TIPS

BELIEVE IN YOURSELF

The first and most important thing is for you to believe in yourself and your potential. It doesn't matter how you have performed in previous tests and exams, what matters now is that you believe in yourself and you are willing to take the necessary steps to passing the exam. Remind yourself everyday that you are smart and believe that you will get good results.

STUDY YOUR NOTES THE RIGHT WAY

1. As you study your notes, summarize what you have studied in point form highlighting the key points of that topic. You can include formulas, diagrams and important information from that topic. Briefly go through those notes the next time you sit down to study.

2. After going through a topic, try to answer some questions from **past papers and pamphlets** on that topic. That will help you to fully understand the topic and it will give you an idea of how questions are asked in the exam.

DURING THE EXAM.

- Follow all the instructions.
- Make sure you **shade your answers** correctly.
- Briefly go through your answers after you finish.
- Don't engage yourself in examination malpractice.

Any mistakes are 'human error'.

ALL THE BEST!!!!

Mr 6points

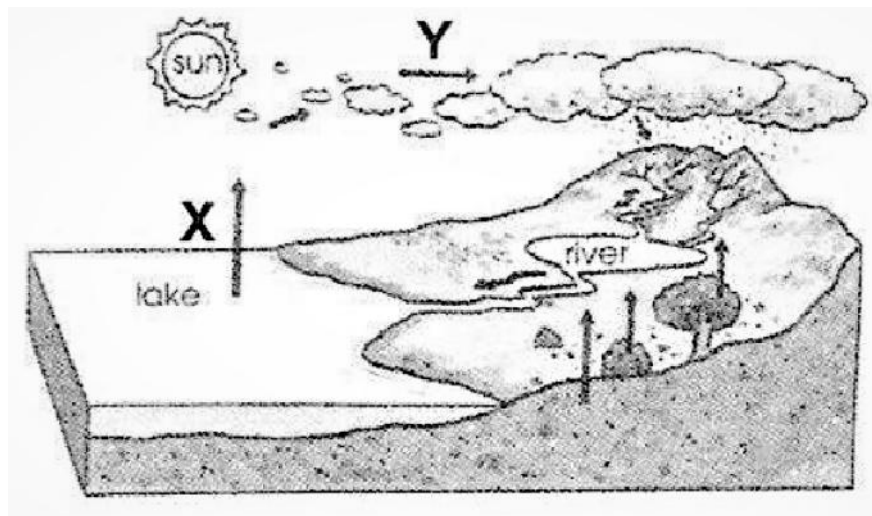


Mr 6points

SUGGESTED ANSWERS ARE ON PAGES 85 - 90

- 1 Why is the process of water purification carried out in towns and cities?
To ...
- A remove poison.
 - B remove suspended particles.
 - C make it safe for drinking.
 - D make it tasty.
- 2 Which activities are important for personal hygiene?
- A Bath twice a day and brush after eating.
 - B Eat balanced meals and visit a dentist
 - C Use perfume all the time and wear bracelets.
 - D Wear new clothes and exercise regularly
- 3 Which of the following parts of fish allows dissolved oxygen in water to enter and carbon dioxide and water vapour to come out?
- A Skin
 - B Nose
 - C Mouth
 - D Gills
- 4 Which of the following is part of the digestive system?
- A Heart
 - B Kidneys
 - C Lungs
 - D Stomach
- 5 Which of the animals below are kept by Zambian farmers?
- A Cattle, pigs and goats
 - B Sheep, rabbits and pigs
 - C Cattle, sheep and goats
 - D Pigs, rabbits and cattle

- 6 A school nurse used a phone inform a parent whose child became ill at school. Which of the following was involved in the telephone conversation.
- A Wire vibration
 - B Liquid vibration
 - C Light vibration
 - D Air vibration
- 7 Which of the following is a domestic animal?
- A Impala
 - B Goat
 - C Lion
 - D elephant
- 8 Study the diagram of the rain cycle shown below.

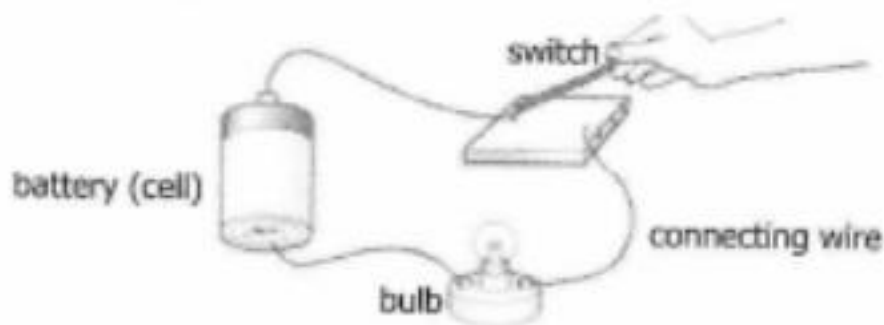


- The processes taking place at X and Y in this order are ..
- A evapouration and condensation.
 - B condensation and evapouration.
 - C precipitation and evapouration.
 - D condensation and precipitaion.
- 9 Which of the following is **not** a way by which HIV is transmitted?
- A Sexual contact with infected person.
 - B Mother to child transmission.
 - C Greeting and hugging an infected person.
 - D Blood transfusion.

10 Which of the following is balanced meal?

- A** Fish, Kapenta and Cabbage
- B** Mealie meal, Fish and Cabbage
- C** Rice, Beef and Kapenta
- D** Rice, Mealie meal and Beef

11 Study the diagram below showing a circuit.



What will happen to the circuit above when the switch is closed?

- A** The bulb will light up.
- B** There will be a low voltage in the circuit.
- C** The hand will receive a shock.
- D** There will be a short circuit.

12 Which of the following instruments is used to measure volume?

- A** Balancing beam
- B** Measuring cylinder
- C** Spring balance
- D** See-Saw

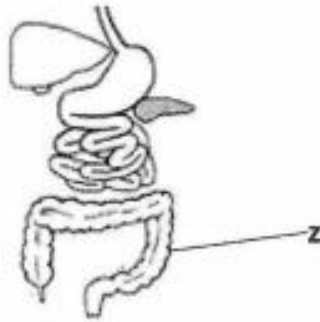
13 The transfer of pollen grains from an anther to a stigma is called ...

- A** fertilization
- B** pollination
- C** dispersal
- D** germination

14 Which of the following animals has an air sac as an internal organ?

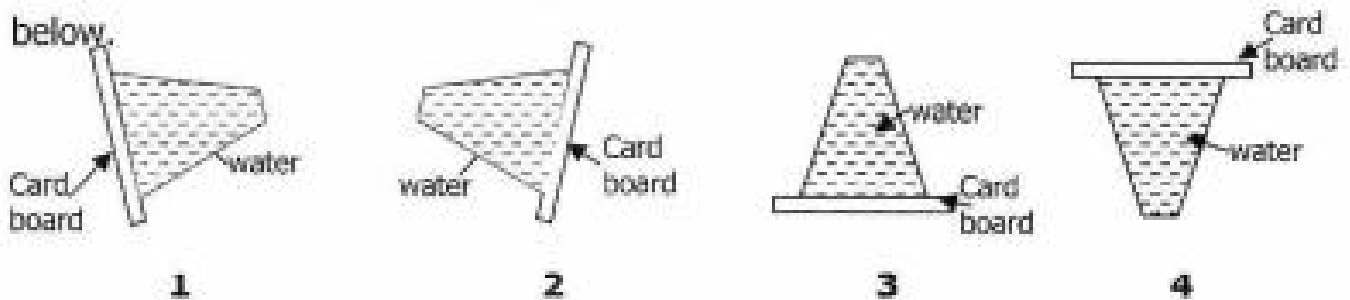
- A** Tortoise
- B** Lizard
- C** Fish
- D** Crocodile

- 15 Study the diagram of the digestive system below.



What happens to the food at Z?

- A Proteins are absorbed from food.
 - B Water is absorbed from food.
 - C Fats are absorbed from food.
 - D Sugar is absorbed from food.
- 16 A Grade 6 pupil carried out an experiment to show that air exerts pressure as shown below.



Which of the diagrams will exert the greatest pressure on the cardboard?

- A 1
 - B 2
 - C 3
 - D 4
- 17 A nurse working for a certain home for the aged regularly collected the old peoples dirty linen, washed and ironed them after drying. Why did the nurse wash the linen regularly? To ..
- A give the body a pleasant smell.
 - B make the body clean.
 - C protect the body from cold.
 - D remove dirt and bad odours.

18 Study the following collection of different foodstuffs.



Apple



Orange



Mango



Milk

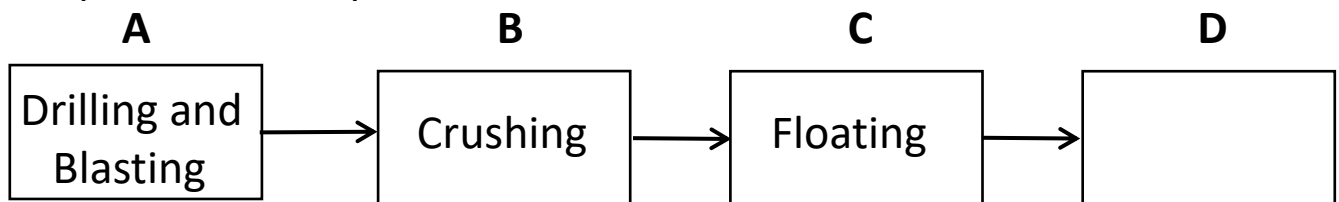
What nutrients are found in the food above?

- A** Carbohydrates and proteins
 - B** Fats and proteins
 - C** Fats and Carbohydrates
 - D** Minerals and vitamins
- 19** After accidentally cutting the lower part of the finger with a razor blade, a pupil covered the cut part using a plaster. Why did the pupil do that?
- A** To reduce the pain.
 - B** To reduce the bleeding.
 - C** To stop the pain.
 - D** To stop the bleeding.
- 20** Which of the following shows the correct order in the rain cycle?
- A** Rain, clouds and vapour.
 - B** Clouds, vapour and rain.
 - C** Vapour, clouds and rain.
 - D** Vapour, rain and clouds.
- 21** Which of the following is **NOT** true about space exploration?
- A** Learning exactly what is in the space.
 - B** Learning the lives of other humans in the space.
 - C** Searching where human beings can live one day.
 - D** Searching for resources which may be used.
- 22** A township was located near a mining site. The residents of the township complained because there were so many cases of bronchitis. How was the problem related to the mining activity?
- A** Untreated water from mines affected people's homes.
 - B** Polluted air affected the people's respiratory system.
 - C** The rocks from the mines destroyed the people's homes.
 - D** Noise from the mining site disturbed the people.

- 23** After applying cosmetics on the body for a week a pupil noticed that the skin was becoming softer. Which of the following cosmetics did the pupil use?
- A** Deodorant
 - B** Lotion
 - C** Liquid foundation
 - D** Powder
- 24** Objects on the moon have no weight. This is due to ...
- A** lack of gravitational force.
 - B** increased air pressure.
 - C** bare and stony space.
 - D** windy and rainy atmosphere.
- 25** Study the equation below:
- $$\text{Water} + \text{X} \xrightarrow[\text{Chlorophyll}]{\text{light energy}} \text{Sugar} + \text{Y}$$
- What do the letters **X** and **Y** in the equation represent?
- | | X | Y |
|----------|----------------|----------------|
| A | Oxygen | Carbon dioxide |
| B | Hydrogen | Oxygen |
| C | Carbon dioxide | Oxygen |
| D | Carbon dioxide | Hydrogen gas |
- 26** A Grade 7 class studying vegetative propagation prepared the school garden in order to produce a crop vegetatively. Which of the planting materials did they use?
- A** Cassava stem
 - B** Cabbage flower
 - C** Sunflower
 - D** Tomato leaf

- 27 Damage of the liver can result from ...
- A excessive intake of alcohol
 - B injecting heroin into the vein.
 - C smoking dagga
 - D sniffing petrol
- 28 Which of the following types of teeth is used for cutting and biting food?
- A Canine
 - B Incisor
 - C Molars
 - D Premolars
- 29 Which of the following is a sign of an airborne disease?
- A Hair changes colour.
 - B Watery stool.
 - C Itching and spots.
 - D Difficulty to breathe.

- 30 Below is a process in which Copper is extracted.
What process takes place at **D**?



- A Electrolysis
 - B Extraction
 - C Separation
 - D Smelting
- 31 Which of the following diseases is most likely to affect cattle in hot tropical regions?
- A Anthrax
 - B Foot and mouth disease
 - C Tuberculosis
 - D Trypanosomiasis

32 Study the diagram below.



Which type of tooth is in the diagram above?

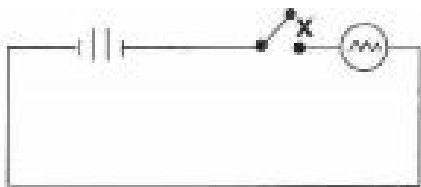
- A** Incisor
 - B** Canine
 - C** Premolar
 - D** Molars
- 33** A Grade 7 pupil failed to fix two small magnetic parts together. What could have been the problem?
- A** He was not strong enough to fix them.
 - B** The magnets were worn out.
 - C** The two parts being fixed had like poles.
 - D** The two parts being fixed had unlike poles.
- 34** Which of the following is a disadvantage of crowding livestock?
- A** Disease is more likely to spread.
 - B** makes it easier to treat disease.
 - C** Providing food, water and protection is easy.
 - D** Requires less space than letting animals wander freely.
- 35** Study the diagram shown below.



The plant above reproduces by ...

- A** seeds
- B** spores
- C** stems
- D** suckers

- 36** Which of the following statements states the difference between luminous and reflective surfaces?
- A** Luminous surfaces do not produce light while reflectives do.
 - B** Luminous surfaces receive light while reflectives do not.
 - C** Reflective surfaces do not produce light while luminous do.
 - D** Reflective surfaces do not receive while luminous do.
- 37** Caffine and cocaine are examples of ..
- A** inhalants.
 - B** hallucinogens
 - C** stimulants
 - D** sedatives.
- 38** A group of young people in a certain township had a habit of sniffing petrol, cigarette lighter liquid, varnish, paint thinners and contents of aerosol cans. How would they feel after sniffing these substances?
- A** Dizziness and nauseous
 - B** Drowsiness and loss of coordination
 - C** Feeling things that are not real
 - D** Panicking and fighting
- 39** Which of the following materials can be attracted by a magnet?
- A** Metal
 - B** Plastic
 - C** Rubber
 - D** Wood
- 40** Study the diagram below of a simple circuit whose bulb did NOT light after switching the part marked **X**.
What can be done to make the bulb light?

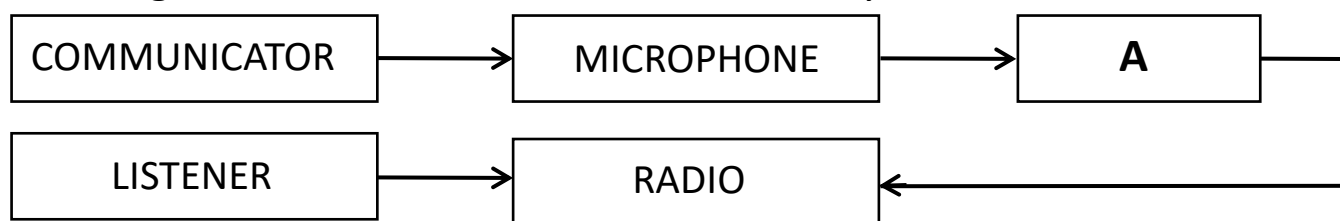


- A** Add another switch in the circuit.
- B** Put the bulb between the two cells.
- C** Turn both cells round.
- D** Turn one of the cells round.

- 41 Cooking sticks are always made of wood because wood is a of heat.
- A good conductor
 - B good reflector
 - C poor insulator
 - D poor conductor

- 42 A boy sat near a brazier during the cold season. After some minutes, he felt warm. This was because..
- A he was a good conductor of heat.
 - B he was a good insulator of heat.
 - C heat reached him by radiation.
 - D heat reached him by convection.

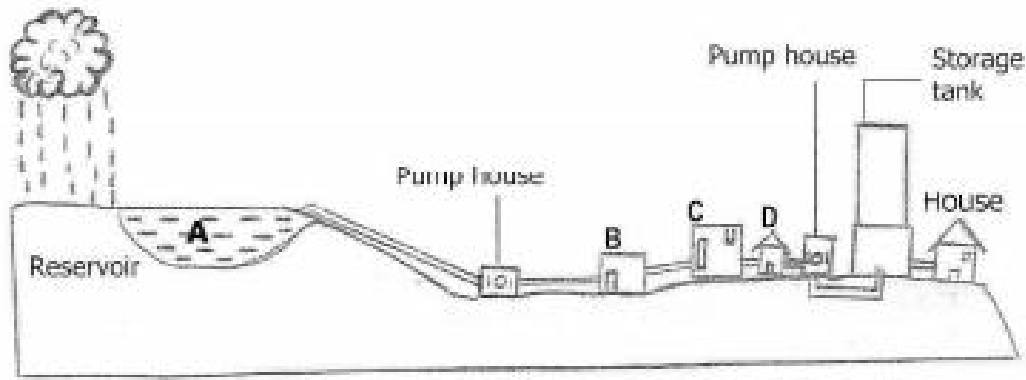
- 43 The diagram below shows communication by radio.



Which of the following communication installations is supposed to be A?

- A Satelite
 - B Transmitter
 - C Earth station
 - D Loud speaker
- 44 Which of the following organs is correctly paired with its function?
- | | Organ | Function |
|---|--------------|-----------------------|
| A | Heat | Purification of blood |
| B | Lungs | Pumping of blood |
| C | Skin | Absorption |
| D | Stomach | Storage of food |
- 45 The amount of water vapour in the atmoshpere is called....
- A rainfall
 - B humidity
 - C condensation
 - D evapouration

- 46 The diagram below shows the movement of water from a reservoir to the water works and finally a house.



At which of the points marked **A**, **B**, **C** and **D** are the germs killed?

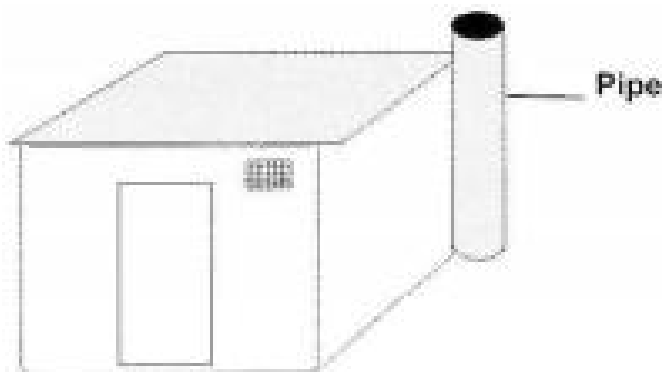
- 47 Name the sweet liquid produced by a flower.

- A Anther
- B Style
- C Nectar
- D Pollen

- 48 The correct order of energy changes at a hydro - electric power station (HEP) when electricity is generated are...

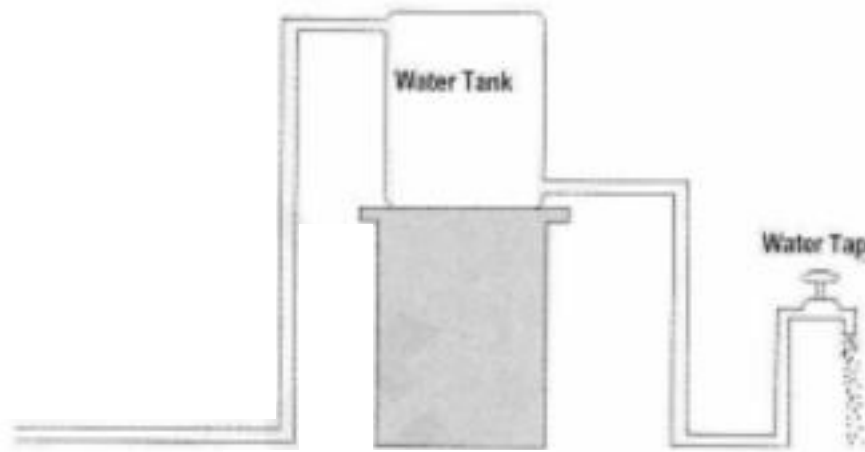
- A electrical → potential → kinetic → mechanical
- B mechanical → electrical → kinetic → potential
- C chemical → mechanical → kinetic → electrical
- D potential → kinetic → machanical → electrical

- 49 What could be the purpose of the pipe behind the toilet?



- A To show people the presence of the toilet.
- B For rain water to flow down into a pit.
- C It acts as a way for escape for stale water.
- D It is where cockroaches and rats leave the toilet.

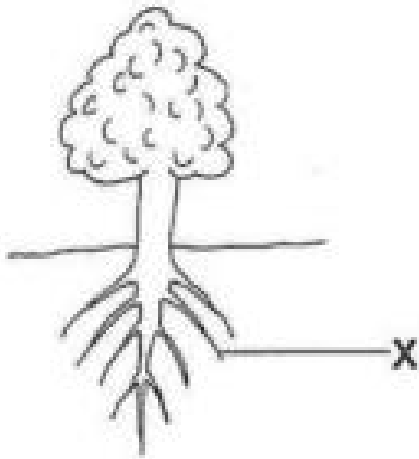
50 Study the diagram below carefully:



Why is the tank placed higher than the tap?

- A** To reduce the water pressure.
- B** To increase the water pressure.
- C** To make sure the water is kept clean.
- D** So that it can be seen by everyone.

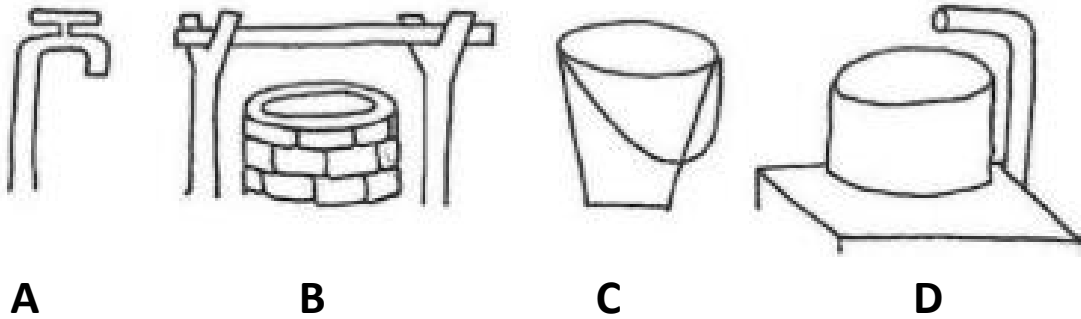
51 Below is a diagram of a plant.



Name the part marked X.

- A** Flower
- B** Leaf
- C** Root
- D** Tree

52 Identify the source of water which is commonly used in the village.



53 Mr Phiri in Lusaka used a ... to communicate to his wife in Petauke within a few seconds.

- A** cell phone
- B** letter
- C** messenger
- D** telegram

54 Why is water treated before using it? To...

- A** make it nice.
- B** make it safe to drink
- C** make people happy.
- D** show that we care.

55 Which of the following may cause a person to lose much water from the body?

- A** Diarrhoea and vomiting
- B** Headache and malaria
- C** Scabies and dysentery
- D** Small pox and cholera

56 Mrs Mwila always washes her body with soap and water, cares for her feet, hair, fingers, toe nails, ears and teeth. We can say that Mrs Mwila has ...

- A** bad eating habits
- B** bad personal hygiene
- C** good eating habits
- D** good personal hygiene habits

- 57 Which order of organs shows the path food passes through in the human body?
- A Mouth - Gullet - Lungs - Small intestines - Large intestines
 - B Mouth - Gullet - Kidney - Small intestines - Large intestines
 - C Mouth - Gullet - Stomach - Small intestines - Large intestines
 - D Mouth - Gullet - Heart - Small intestines - Large intestines
- 58 Fish should **not** be overcrowded in the fish pond because ...
- A fish will swallow all the water.
 - B it will be difficult to find market.
 - C it will be jumping out of the pond.
 - D there will be little oxygen for them to breathe.
- 59 The distinguishing feature of a bird is that it has ...
- A feathers.
 - B dry skin.
 - C hair.
 - D moist skin.
- 60 Which of the following is a natural source of heat?
- A Fire
 - B Moon
 - C Heater
 - D Sun
- 61 The function of the heart is to ...
- A add oxygen.
 - B pump blood.
 - C purify blood.
 - D transport blood.
- 62 Which of the following are water borne diseases?
- A Cholera, dysentery and typhoid.
 - B Choera, typhoid and tuberculosis.
 - C Measles, cholera and dysentery.
 - D Tuberculosis, measles and scabies.

- 63** When helping a person who is bleeding, you must always wear ..
- A** bandages.
 - B** plaster.
 - C** protective gloves.
 - D** protective goggles
- 64** Mrs Banda is a chain smoker. What is she likely to suffer from?
- A** Sleeping sickness.
 - B** High blood pressure.
 - C** Skin cancer.
 - D** Lung cancer.
- 65** Study the statements below:
- 1 They make the skin so dry that it cracks and sometimes becomes infected.
 - 2 They lead to different types of skin cancer.
 - 3 Most people feel there is a social pressure to use them.
- The above statements are about...
- A** alcohol abuse.
 - B** lightening creams.
 - C** modern clothes.
 - D** bathing soap.
- 66** Peas, beans and groundnuts are examples of...
- A** citrus fruits.
 - B** fresh fruits.
 - C** meal.
 - D** legumes.
- 67** A mineral has the following properties:
- 1 reddish
 - 2 high melting point
 - 3 a good conductor of electricity
 - 4 does not rust

Which of the following minerals has the above properties?

- A Copper
- B Cobalt
- C Limestone
- D Lead

68 A pupil wore tight clothes and felt dizzy. Why did the pupil feel dizzy?

- A The clothes attracted people.
- B The clothes interfered with the blood circulation.
- C The clothes showed the body structure.
- D The pupil failed to eat.

69 Choose the instruments which is **correctly** paired with its functions.

Instruments	Function
A Anemometer	Wind direction
B Hygrometer	Wind direction
C Thermometer	Temperature
D Wind vane	Humidity

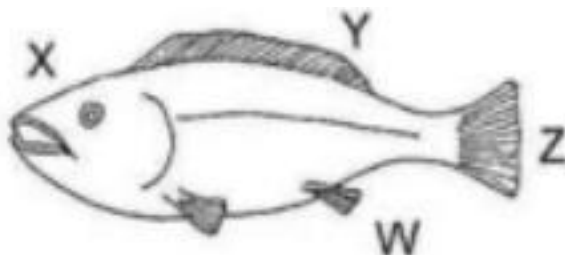
70 What disease is **correctly** matched with its symptoms?

- A Typhoid - the patient's tongue is coated with fur.
- B Bilharzia - the patient has bad headache, fever and diarrhoea.
- C Cholera - vomiting and diarrhoea takes place suddenly.
- D Dysentery - sharp-pointed eggs pierce the bladder leading to blood in the urine.

71 When a magnet is suspended and left to swing in the air, it will come to rest pointing in the ... direction

- A North and East
- B North and South
- C North and West
- D South and East

72 Study the diagram of a fish.



The part marked **Y** is...

- A** anal fin.
- B** dorsal fin.
- C** gills.
- D** head.

73 Which of the following is a correct list of a balanced diet?

- A** Eggs, fish, pumkins
- B** Kapenta, oranges, rape
- C** Potatoes, rice, fish
- D** Nshima, meat, rape

74 Why is mecury the hottest planet in the solar system?

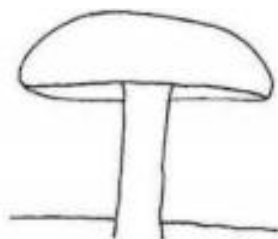
This is because it....

- A** is the furthest planet from the sun.
- B** is the nearest planet to the sun.
- C** has no people on it.
- D** is smaller than planet earth.

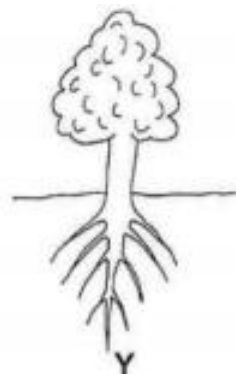
75 Mutale and Kangwa married in 2007. In three years time they have three children and of the three children one died before infacy. The remaining two are sickly and unhealthy. This family needs knowledge on ...

- A** birth.
- B** child spacing.
- C** overcrowding.
- D** population.

76 Study the diagrams below of the two organisms **X** and **Y**.



X



Y

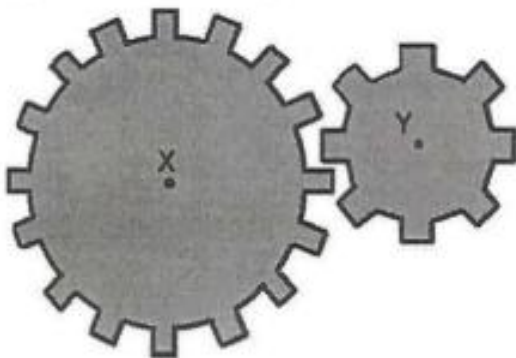
Organism X is white and organism Y has green leaves. Which of the following is not found in organism X?

- A Chlorophyll
- B Nutrients
- C Water
- D Air

77 Mr Jombo in Magoye Farms was spraying rogal in his maize field. After five minutes a rat ate the maize and it died. Then a bird found the dead rat and ate it. What happened to the bird?

- A Died
- B Survived
- C Vomited
- D Burts

78 The diagram below shows gears



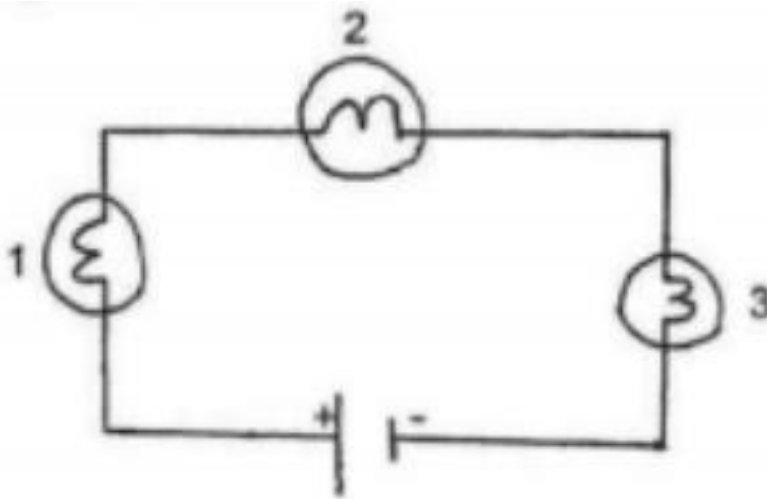
It X turs 2 times, they Y will turn.... times

- A 2
- B 4
- C 6
- D 8

79 How can you treat a small cut?

- A Allow the bleeding to continue.
- B Cover the wound without washing it.
- C Apply antiseptic solution immediately without cleaning it.
- D Wash with diluted antiseptic solution using sterile dressings.

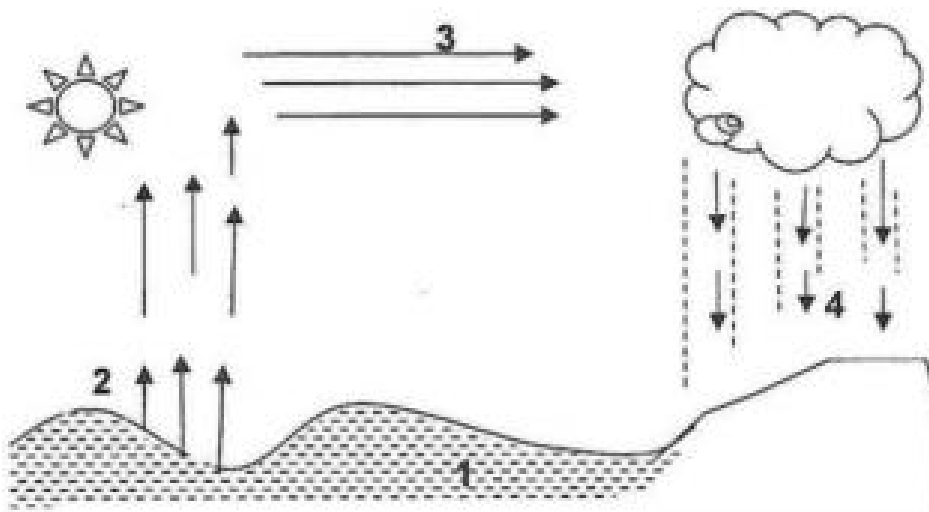
- 80** How can you treat a small cut?
- A** Allow the bleeding to continue.
 - B** Cover the wound without washing it.
 - C** Apply antiseptic solution immediately without cleaning it.
 - D** Wash with diluted antiseptic solution using sterile dressing.
- 81** Which one of the following is an example of hallucinogens?
- A** Chocolate
 - B** Coca-cola
 - C** Marijuana
 - D** Tea
- 82** An overcrowded classroom had both the door and windows closed and as a result the pupils experienced a problem of breathing because ...
- A** there was no carbon dioxide in the classroom.
 - B** they started sweating.
 - C** the pupils felt hungry.
 - D** fresh air was not let in.
- 83** Study the diagram below.



If bulb 1 is blown off, what will happen to the rest of the bulbs?

- A** Bulb 2 and 3 will not be affected.
- B** Only bulb 2 will go off.
- C** Only bulb 3 will go off.
- D** Bulb 2 and 3 will go off.

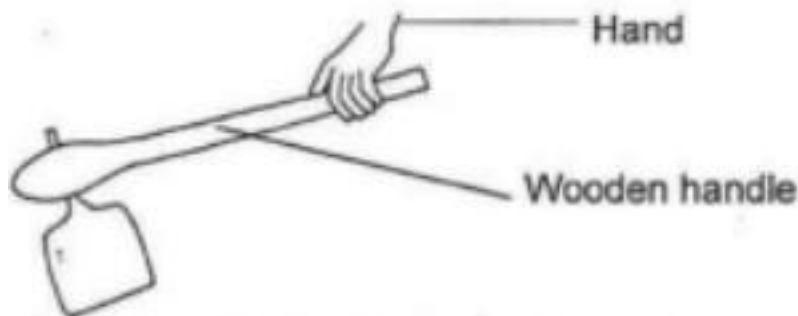
- 84** How can you improve the soil to make it suitable for farming? By...
- A** applying compost manure.
 - B** over-crowding the seeds.
 - C** removing the weeds.
 - D** watering everyday.
- 85** Which of the following foods provides proteins to people who live near rivers and lakes?
- A** Eggs and pumpkins
 - B** Carrots and fish
 - C** Fish and groundnuts
 - D** Meat and oranges
- 86** The diagram below shows parts of a rain cycle, **1**, **2**, **3** and **4**. What process takes place at **3**?



- A** Evaporation
 - B** Freezing
 - C** Melting
 - D** Condensation
- 87** Mrs Hatontola always grows maize on her field. The third year the maize was not healthy. Which of the following would you advise her to grow for crop rotation?
- A** Cabbage
 - B** Groundnuts
 - C** Onions
 - D** Rice

- 88** Patrick wanted to start growing carrots. Which of the following shows the correct order of growing carrots?
- A** Sow seeds, Harvest, Prepare the soil, Watering, Caring of seedlings.
 - B** Prepapre the soil, Sow seeds, Caring of seedlings, Harvest, Watering.
 - C** Prepare the soil, Sow seeds, Watering, Caring of seedlings, Harvest.
 - D** Caring of seedlings, Harvest, Prepare the soil, Sow seeds, Watering.
- 89** Which part of a fish enables it to float and sink?
- A** Gills
 - B** Intestines
 - C** Swim bladder
 - D** Lateral line
- 90** Why is it important to chew food thoroughly before it is swallowed?
- A** Because it makes you salivate.
 - B** For easy and proper digestion.
 - C** In order to kill germs.
 - D** For easy and proper indigestion.
- 91** It is important to apply fertiliser in crops so as to....
- A** improve soil fertility.
 - B** kill pests in the soil.
 - C** prevent soil erosion.
 - D** show that you are a good farmer
- 92** make(s) animals to lose weight, be less productive and have poor quality of meat.
- A** Dirty surroundings
 - B** Insufficient food
 - C** Overgrazing
 - D** Water
- 93** means keeping the body clean, neat and having good appearance.
- A** Bathing
 - B** Cosmetic
 - C** Eating
 - D** Grooming

- 94** Grade Seven pupils were measuring the volume of water using two measuring cylinders. The first was at 30ml and the second 40ml. The difference in volume is....
- A** 10ml
 - B** 70ml
 - C** 700ml
 - D** 1200ml
- 95** A landline telephone machine is made up of different parts. Identify the part that is correctly matched with its function.
- A** The ringer - makes a sound to show there is a call.
 - B** The transmitter - changes speech vibrations in electrical signals.
 - C** The handset - shows digits and other symbols.
 - D** The dial - changes electrical signals into speech vibrations.
- 96** Study the diagram below:



- The heat from the hoe does not reach the hand because...
- A** both the wood and the metal are bad conductors.
 - B** metal is a bad conductor of heat.
 - C** wood is bad conductor of heat.
 - D** wood is a good conductor of heat.
- 97** Which of the following explains why it is important to maintain a constant supply of manure in the garden? So that it..
- A** contains less mineral salts.
 - B** contains less water.
 - C** contains more minerals salts.
 - D** is easy to cultivate.

- 98** Buildings have air vents placed above the windows but below the roof. This is to allow..
- A** carbon dioxide to escape out of the building.
 - B** oxygen to escape out the building.
 - C** carbon dioxide to flow inside the building.
 - D** mosquitoes entering the building.
- 99** The process by which the outer layer of the earth turns into soil due to breaking rocks, movements of animals and the sun is called ...
- A** erosion.
 - B** mining.
 - C** ploughing.
 - D** weathering.
- 100** What can Sambu make using the following materials?
- Copper wire
 - Nail
 - Torch cell
- A** Permanent magnet
 - B** Transformer
 - C** Electric magnet
 - D** Electric simple radio
- 101** The solar system consists of the ...
- A** sun.
 - B** moon.
 - C** nine planets.
 - D** eight planets.
- 102** Which of the following is **not** a health risk associated with early sexual activities?
- A** Cervical cancer
 - B** Pregnancy
 - C** HIV/AIDS
 - D** Hips widen

- 103** What is the function of the heart?
- A** Pumping food
 - B** Pumping air
 - C** Pumping water
 - D** Pumping blood
- 104** Opening doors, windows and having cooling fans is very important because they...
- A** protect people from germs.
 - B** allow fresh air to move around.
 - C** let germs to move freely.
 - D** let in different types of gases.
- 105** People conserve electricity in homes by using ...
- A** energy saving bulbs for lighting.
 - B** ordinary bulbs for lighting.
 - C** ordinary pots for heating water.
 - D** geysers for heating water.
- 106** What is the use of a copper wire with one end buried in the earth in a house and the other extending higher than the house?.
- A** To transmit messages.
 - B** Act as an aerial for a television.
 - C** Act as an aerial for a radio.
 - D** To protect the house from lightning.
- 107** What is the process by which plants make food?
- A** Evaporation
 - B** Transpiration
 - C** Photosynthesis
 - D** Pollination

108 A given disease can be prevented as follows:-

- 1 Drink clean water and eat clean food.
- 2 Wash hands with soap after using the toilet.
- 3 Always defacate in a toilet.

What disease is this?

- A** AIDS
- B** Cancer
- C** Cholera
- D** Malaria

109 Which of the following minerals is not mined in Zambia?

- A** Cobalt
- B** Diamond
- C** Lead
- D** Zinc

110 What electrical appliance can convert electrical energy to light energy?

- A** Radio
- B** Bulb
- C** Speaker
- D** Stove

111 Choose a source of vitamins and minerals from the following:-

- A** Bread
- B** Cassava
- C** Maize
- D** Fruits

112 Study the following diagram.



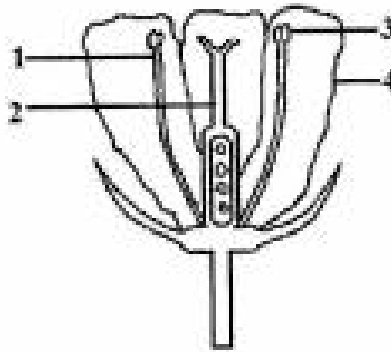
The process X is ...

- A cross pollination.
- B fertilisation.
- C germination.
- D self pollination.

113 The fish ban is practised in Zambia from 1st December to 31st March every year. This is done to ensure that fish is ...

- A given a chance to breed.
- B protected from being eaten.
- C not sold on the market.
- D preferred to meat.

114 Study the diagram of the flower below.



Which of the parts numbered is female?

- A 1
- B 2
- C 3
- D 4

115 Grade 7 learners recorded rainfall for four districts as shown below.

District	Rainfall (ml)
Livingstone	20ml
Mwinilunga	56ml
Kitwe	41ml
Chinsali	29ml

Which district could have had its crops damaged due to floods?

- A Chinsali
- B Kitwe
- C Livingstone
- D Mwinilunga

116 Syphilis and gonorrhoea are all diseases which are transmitted through..

- A eating together with an infected person.
- B unprotected sex with an infected person.
- C shaking hands with an infected person.
- D sleeping on the same bed with an infected person.

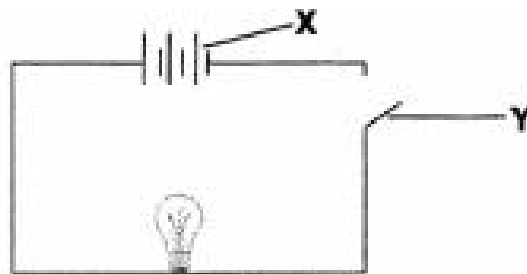
117 Dissolved substance in the body are transported by the ...

- A blood
- B heart
- C intestines
- D stomach

118 Which of the following is **not** an agent of pollination?

- A Fungus
- B Insect
- C Water
- D Wind

119 Below is a simple electric circuit diagram.



What components are **X** and **Y** in this circuit?

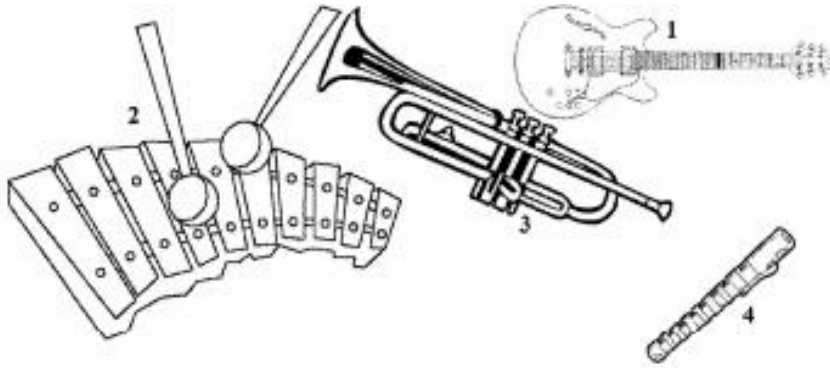
- | X | Y |
|----------|----------|
| A Bulb | Switch |
| B Cell | Wire |
| C Switch | Bulb |
| D Cell | Switch |

- 120** Which of the following are **not** basic needs of livestock?
- A** Firewood and medicine
 - B** Shelter and air
 - C** Care when sick and food
 - D** Protection from danger and water
- 121** Which of the following list represents the agents of pollination?
- A** Wind, insects, water
 - B** Animals, wind, air
 - C** Insects, water, heat
 - D** Water, animals, smoke
- 122** Which of the following diseases is prevented by drinking clean safe water?
- A** Measles
 - B** Malaria
 - C** Tuberculosis
 - D** Typhoid
- 123** Which of the following are common diseases of the skin?
- | | 1 | 2 | 3 | 4 |
|----------|--------------|----------|-------------|-----------|
| A | Tuberculosis | Scurvy | Rabies | Measles |
| B | Ringworm | Warts | Chicken pox | Scabies |
| C | Chicken | Ringworm | Malaria | Small pox |
| D | Small pox | Ringworm | Malaria | Warts |
- 124** A person must read the labels on a container of food before buying it because this helps to ...
- A** eat food which is balanced.
 - B** learn how to cook the food properly.
 - C** process food easily for storage.
 - D** know the manufacturing and expiry dates.
- 125** Beans seeds are usually dispersed by ...
- A** wind.
 - B** explosion.
 - C** water.
 - D** animals

126 The solar system consists of the ...

- A** earth and moon.
- B** earth and eight planets.
- C** Saturn and the moon.
- D** sun and the planets.

127 The diagrams below show different musical instruments.



Which of the above instruments produces sound by hitting?

- A** 1
- B** 2
- C** 3
- D** 4

128 When a ball is thrown into the air, it falls back again because of the force called ...

- A** gravity
- B** magnet
- C** pressure
- D** resistance

129 A person experienced the following signs and symptoms:

- 1 Blood in urine
- 2 Feeling pain in lower abdomen
- 3 Fever

Which of the following diseases was the person suffering from?

- A** Typhoid
- B** Tuberculosis
- C** Dysentery
- D** Bilharzia

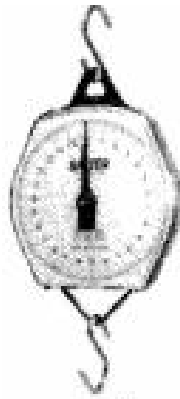
130 Study the list of body changes below:

- 1 Voice breaking.
- 2 Widening of hips.
- 3 Growth of pubic hair.
- 4 Growth of hair under arms.

At what stage of human development do these changes take place?

- A** Puberty
- B** Childhood
- C** Toddler
- D** Adulthood

131 Study the diagram below.



Which is the name of the instrument above?

- A** Spring balance
- B** Beam balance
- C** Voltmeter
- D** Bathroom scale

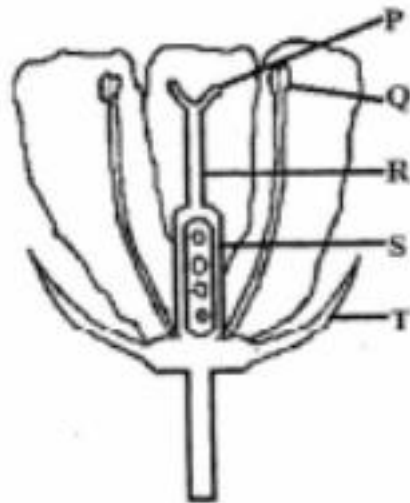
132 Three of the following are uses of good conductors of electricity:

- 1 Making electric wire and cables.
- 2 Transmitting signals in communication devices.
- 3 Heating elements in cookers.
- 4 Making the handles of pots.

Which of the above is **not** a use of good conductors of electricity?

- A** 1
- B** 2
- C** 3
- D** 4

- 133** The use of a switch in a circuit is to ...
- A** produce electric energy in a circuit.
 - B** light the bulb in the circuit.
 - C** reserve the flow of electricity in a circuit
 - D** open and close the circuit.
- 134** People in villages mostly depend on lakes and rivers for water which ...
- A** they don't normally purify.
 - B** they always purify.
 - C** is not polluted.
 - D** is clean and safe.
- 135** Which of the following best explains the effects of substance abuse in people's lives? Substance abuse may ...
- A** lead to one contracting tuberculosis.
 - B** lead to one becoming intelligent.
 - C** cause one to commit crime.
 - D** cause stunted growth.
- 136** Study the diagram of the flower below.



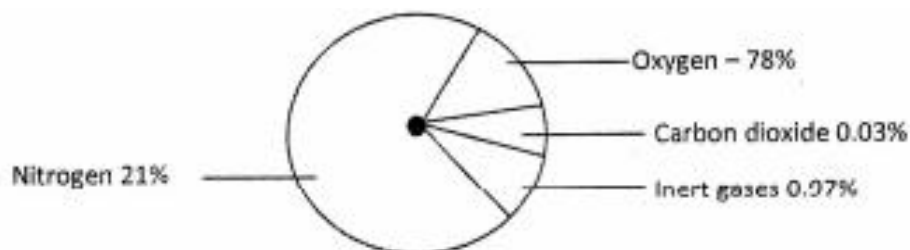
Which letters represent the anther and style?

- A** P and S
- B** Q and T
- C** Q and R
- D** T and S

137 Which of the following changes are observed in females at puberty?

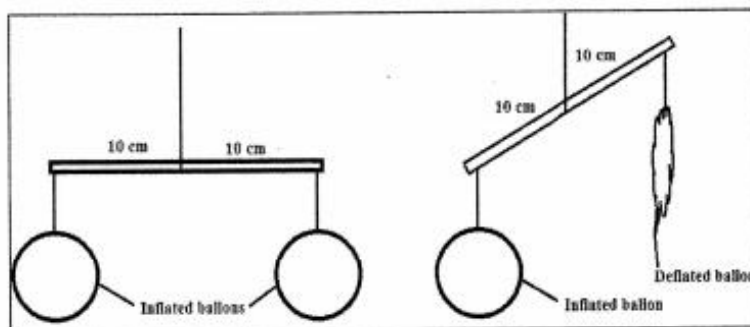
- A Breaking of the voice.
- B Enlargement of breasts.
- C Growth of beards and pubic hair.
- D Enlargement of shoulders.

138 Which of the components of air in the diagram below are **not** correct?



- A Carbon dioxide and oxygen.
- B Inert gases and carbon dioxide.
- C Nitrogen and oxygen.
- D Nitrogen and inert gases.

139 A learner set up the experiment below.



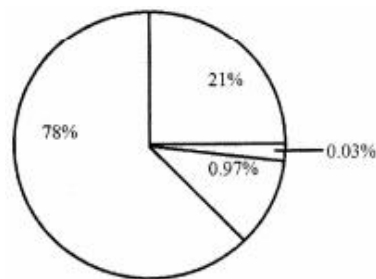
The learner concluded from the experiment that air ...

- A exerts pressure.
- B occupies space.
- C has weight
- D is colourless.

140 In a hydro-electric power station, the energy transformation that takes place are ...?

- A potential kinetic → electrical
- B potential electric → kinetic
- C chemical kinetic → electrical
- D chemical electrical → kinetic

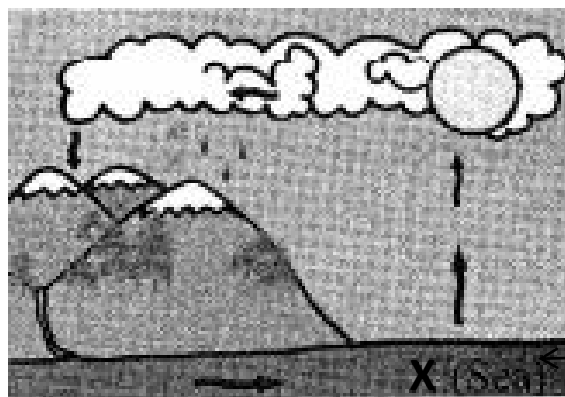
- 141** Study the pie chart below. It shows the composition of air in the atmosphere.



The gas with the highest percentage represents ...

- A** carbon dioxide.
 - B** nitrogen.
 - C** oxygen.
 - D** water vapour
- 142** A learner was asked to blow over the mouth of an empty bottle. This was to demonstrate how sound ...
- A** travels.
 - B** is produced.
 - C** volume is increased.
 - D** makes music.
- 143** Which of the following activities is **not** an effect of mining on the environment?
- A** Dust is released to the surrounding communities.
 - B** Dangerous solids are dumped in the surrounding.
 - C** Minerals are produced for the country.
 - D** Poisonous gases are released to atmosphere.
- 144** Which of the following is a property of copper?
- A** Mixture of gases
 - B** Colourless liquid
 - C** Resistance to rust
 - D** Exerts pressure
- 145** The absence of starch in a leaf is shown when iodine solution turns ...
- A** Black
 - B** Purple
 - C** Brown
 - D** Colourless

146 Study the water cycle below.



What will be the result of not having water at X?

- A** Floods
- B** Drought
- C** Evaporation
- D** Condensation

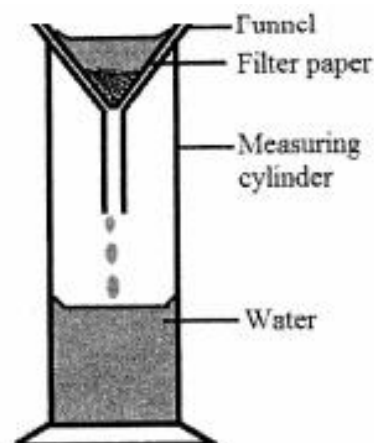
147 In a certain community most of the children were found to be suffering from a disease which has the following signs:

- 1 Soft and weak bones
- 2 Bow - shaped legs
- 3 Poor teeth formation

Which of these diseases were the children suffering from?

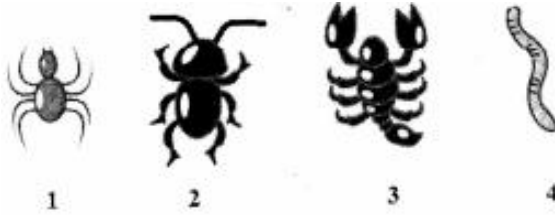
- A** Rickecks
- B** Marasmas
- C** Kwashiokor
- D** Goitre

148 What type of substance does the following technique separate?



- A** A soluble substance from water.
- B** An insoluble substance from water.
- C** Two soluble substances mixed together.
- D** Insoluble substances from another insoluble one.

149 Which of the following is an insect?

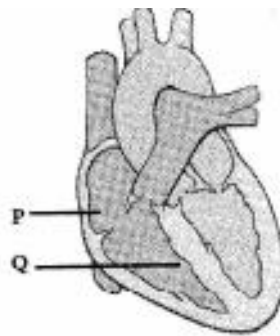


- A** 1
- B** 2
- C** 3
- D** 4

150 What is the importance of improving varieties of seeds?

- A** Improve the harvest, increase resistance to diseases.
- B** Increase resistance to draught, reduce resistance to diseases.
- C** Reduce the harvest, re resistance to diseases.
- D** Improve the harvest, reduce resistance to draught.

151 Study the diagram of the heart below.



The parts shown by the letters P and Q in the diagram are ...

- | P | Q |
|--------------------------|-----------------|
| A Right ventricle | Left ventricle |
| B Left ventricle | Right ventricle |
| C Right atrium | Right ventricle |
| D Left atrium | Left ventricle |

152 The best method of communicating with a large number of people that are in different places at the same time is by using a ...

- A** phone.
- B** drum.
- C** letter.
- D** radio.

153 Which of the following is a way in which HIV/AIDS is transmitted?

- A** Eating food from the same plate with an infected person.
- B** Sharing a razor blade with an infected person.
- C** Sharing a bed with an infected person.
- D** Hugging an infected.

154 Which of the following is not a planet?

- A** Sun
- B** Venus
- C** Mars
- D** Mecury

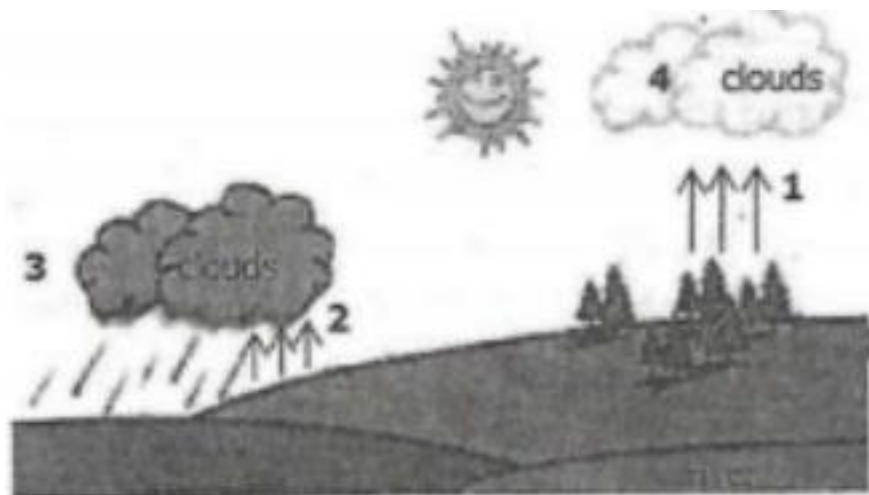
155 Study the list of metals below.

- Zinc
- Copper
- Steel
- Iron

Which metal is the best conductor of electricity?

- A** Steel
- B** Copper
- C** Iron
- D** Zinc

156 The diagram below shoes the water cycle in nature.



What process is taking place at 2?

- A Evaporation
- B Condensation
- C Precipitation
- D Transpiration

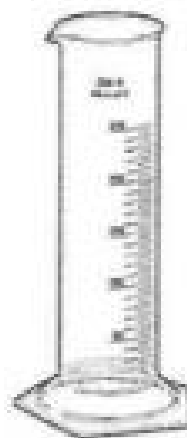
- 157 The table below shows the results obtained by learners during an experiment on drainage rates for four samples of soil.

Samples	Time for water to drain
1	30 minutes
2	20 minutes
3	10 minutes
4	5 minutes

In which soil did the water drain fastest?

- A 1
 - B 2
 - C 3
 - D 4
- 158 A person who smokes too much tobacco is likely to suffer from ...
- A Liver disease.
 - B Lung cancer.
 - C Kidney failure.
 - D Heart attack.

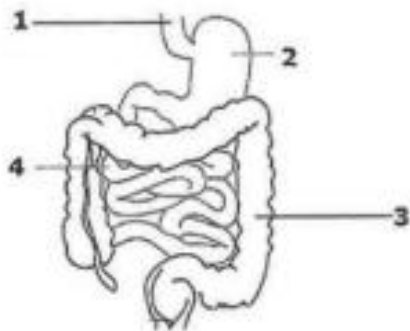
- 159 Study the apparatus shown below.



The apparatus is used to measure ...

- A mass.
- B length.
- C weight.
- D volume.

160 Study the diagram of the digestive system below.



In which two parts of the digestive system are food and water absorbed?

- A** 1 and 2
- B** 3 and 4
- C** 1 and 3
- D** 2 and 4

161 Which of the following living things has a head, body and eight legs only?

- A** Insect
- B** Worm
- C** Spider
- D** Virus

162 To which groups of animals do a tortoise and duck belong?

- | Tortoise | Duck |
|--------------------|-------------|
| A Reptile | Bird |
| B Bird | Reptile |
| C Fish | Amphibian |
| D Amphibian | Fish |

163 A chart was displayed at the gate of a clinic to encourage the community to eat such vegetables as shown below.



Tomato



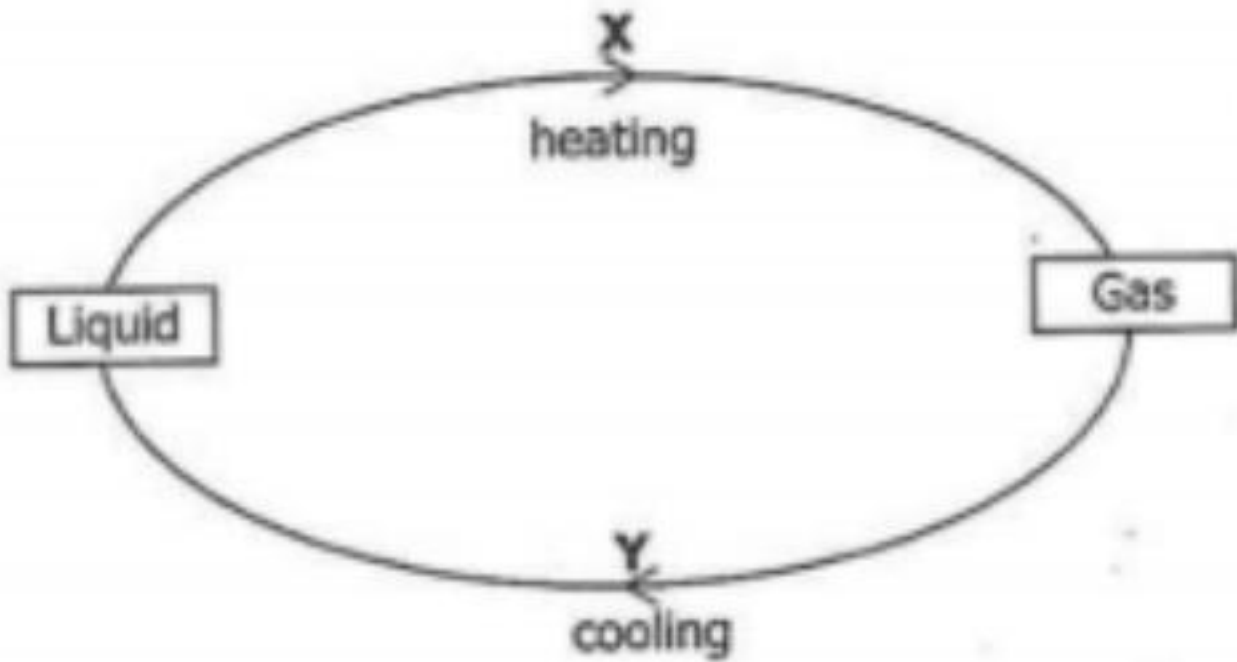
Spinach



Cabbage

- Which of the following is the importance of having the above vegetables in a diet?
- A** Protect the body against diseases.
 - B** Provides energy to the body.
 - C** Provides proteins to the body.
 - D** Protects the body from parasites.
- 164** Which of the following list describes health risks associated with early sexual debut?
- A** Cervical cancer, Gonorrhea, Syphilis and TB.
 - B** Syphilis, teenage pregnancy, TB and HIV.
 - C** HIV, teenage pregnancy, Syphilis and cervical cancer.
 - D** Teenage pregnancy, Gonorrhea, cervical cancer and TB.
- 165** A family eats the following meals each day.
- Breakfast: - Bread, butter and black tea.
- Lunch: - Rice with sugar
- Super: - Nshima with vegetables
- What deficiency disease are the children in the family likely to suffer from?
- A** Marasmus
 - B** Goiter
 - C** Kwashiorkor
 - D** Scurvy
- 166** Which of the following is an advantage of using chemical fertiliser?
- A** It is cheaper.
 - B** It pollutes underground water.
 - C** It releases nutrients into the soil quicker.
 - D** It kills useful organisms in the soil.
- 167** A farmer kept all his animals in a small paddock. What challenges is the farmer likely to have?
- A** Difficult to protect them.
 - B** Out break of diseases.
 - C** They failed to have young ones.
 - D** They do not interact well.

168 Study the diagram below carefully.



What are the processes **X** and **Y**?

- | | X | Y |
|----------|---------------|---------------|
| A | Condensation | Evaporation |
| B | Evaporation | Condensation |
| C | Precipitation | Transpiration |
| D | Transpiration | Precipitation |

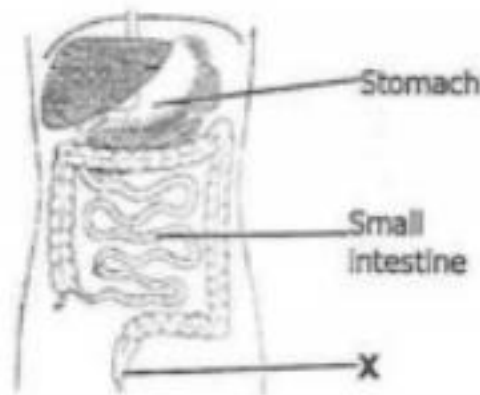
169 A certain hospital recorded many cases of blindness from one area. The males in that area were advised to eat more food rich in ...

- A** Vitamin A
- B** Vitamin B
- C** Vitamin C
- D** Vitamin D

170 A tsetse fly normally attacks ...

- A** pigs
- B** chickens
- C** goats
- D** cattle

171 Study the diagram of the digestive system below.



What happens at X?

- A** Food is digested.
- B** Nutrients are absorbed.
- C** Water is absorbed.
- D** Undigested food is stored before elimination.

172 A cow produced 15 litres of milk per day. After it was attacked by a parasite, the milk production came to 11 litres a day. The effect of this parasite reduced the milk yield by ...

- A** 3 litres
- B** 4 litres
- C** 11 litres
- D** 26 litres

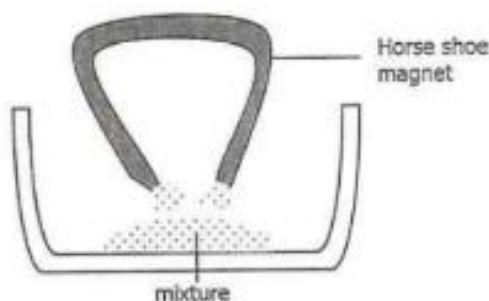
173 A learner in a certain school appeared restless most of the time and often picked up fights. The most likely cause of this behaviour is ...

- A** tiredness
- B** drug abuse
- C** foolishness
- D** hatred

174 Which of the following pairs consists of a metal and a non metal?

- A** Aluminuim and Copper
- B** Zinc and Carbon
- C** Hydrogen and Oxygen
- D** Nitrogen and Carbon dioxide

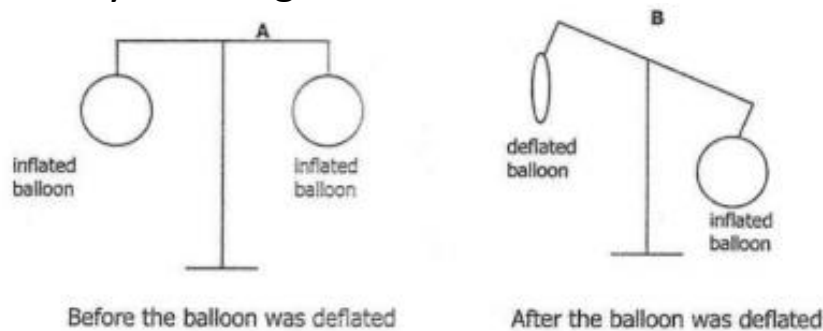
- 175** The experiment below demonstrates a separation of a mixture using a magnet.



Which of the following mixtures was being separated?

- A** Coarse and fine sand
B Heavy solids and water
C Iron fillings and sand
D Salt and water
- 176** Some learners tested some leaves with patches of green and white colour for starch. Only the green patches in all the leaves turned blue/black when iodine solution was added. This showed that for starch to be formed, there is need for ...
- A** light.
B carbon dioxide.
C water.
D chlorophyll
- 177** Which of the following statements describes the process of photosynthesis?
- A** Starch + oxygen $\xrightarrow[\text{chlorophyll}]{\text{light}}$ carbon dioxide + water
B Carbon dioxide + water $\xrightarrow[\text{chlorophyll}]{\text{light}}$ starch + oxygen
C Starch + water $\xrightarrow[\text{chlorophyll}]{\text{light}}$ carbon dioxide + oxygen
D Carbon dioxide + oxygen $\xrightarrow[\text{chlorophyll}]{\text{light}}$ starch + water
- 178** What is the percentage of nitrogen and oxygen in the air?
- | | Nitrogen | Oxygen |
|----------|-----------------|---------------|
| A | 1% | 0.03% |
| B | 0.03% | 1% |
| C | 21% | 78% |
| D | 78% | 21% |

179 Study the diagram below.



The diagram above shows that air ...

- A** is invisible.
- B** occupies space.
- C** exerts pressure.
- D** has weight.

180 The following are signs and symptoms of a disease:

- 1 Headache
- 2 High temperature
- 3 Vomiting
- 4 Painful joints

Which disease has the signs and symptoms above?

- A** Malaria
- B** Cholera
- C** Typhoid
- D** Measles

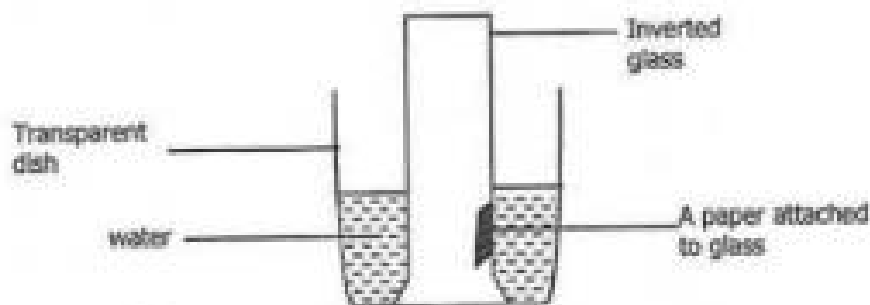
181 Which of the following is an agent of pollination?

- A** Petals
- B** Wind
- C** Gas
- D** Stigma

182 If one throws a stone up it always comes down due to the ...

- A** force of wind.
- B** weight of stone.
- C** vaccum in space.
- D** force of gravity.

183 Study the diagram below.



The paper remained dry and water did not enter the glass because air ...

- A** is lighter than water.
- B** exerted pressure on the paper.
- C** occupied space in the glass.
- D** has the same weight as water.

184 Study the process below showing how copper is extracted and refined.
Drilling and blasting → **X** → Flotation → **Y** → Exporting
Which two processes are presented by **X** and **Y**?

- | X | Y |
|------------------------|---------------|
| A Smelting | Concentration |
| B Electrolysis | Crushing |
| C Concentration | Smelting |
| D Crushing | Electrolysis |

185 Study the list of properties below

- 1 Poor conductors of heat
- 2 Poor conductors of electricity
- 3 Do not reflect light
- 4 Can easily break

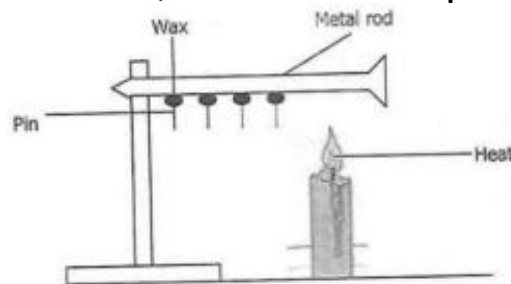
Which of the following has the above properties?

- A** Aluminium
- B** Chalk
- C** Copper
- D** Zinc

- 186** During a class discussion students brought out the following points:
- 1 Contracting
 - 2 Suffering from cervical cancer
 - 3 Getting infected with HIV/AIDS
 - 4 Teenage pregnancy

Which of the following activities is associated to the above health risks?

- A** Substance abuse.
B Early sexual debut.
C Physical changes at puberty.
D Infectious diseases.
- 187** Which of the following correctly represents the composition of blood?
- A** Red blood cells, urea, plasma and lactic acid.
B White blood cells, red blood cells, lactic and platelets.
C Urea, platelets, white blood cells and plasma.
D Plasma, platelets, red blood cells and white blood cells.
- 188** During a Science lesson, learners set up an experiment as shown below

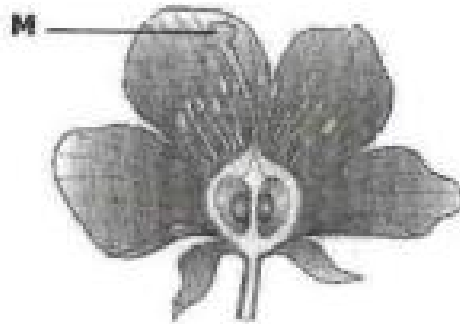


What were the learners investigating?

- A** Conduction of heat in solids
B Expansion of metals when heated
C Melting of wax when heated
D Pins get burnt when heated
- 189** Which of the following nutrients are correctly paired with their functions.

Nutrient		Function	
A	Vitamin D		Healthy gum
B	Vitamin C		Strong bones
C	Iron		For red blood cells
D	Iodine		Good eye sight

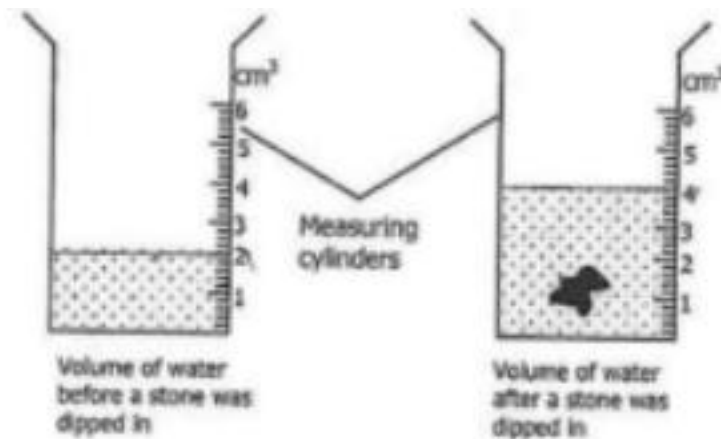
190 The diagram below represents a flower.



The function of the part labelled M is to ...

- A** receive sunlight.
- B** receive pollen grains.
- C** produce pollen grains.
- D** produce ovules.

191 A grade 7 learner carried out the following investigation to find the volume of a stone.



What was the volume of the stone?

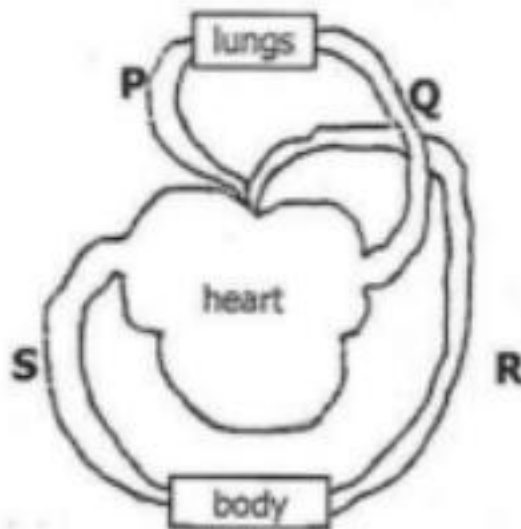
- A** 1cm³
- B** 2cm³
- C** 3cm³
- D** 4cm³

192 A farmer planted sections of potato tubers and had a good harvest. What method of propagation did the farmer use?

- A** Vegetative
- B** Seed
- C** Stem
- D** Suckers

- 193** Which of the following simple machines are used to split or cut things?
- A** Lever
 - B** Wedge
 - C** Screw
 - D** Pulley
- 194** At a hydro electric power station energy is converted from one form to another. Which of the following shows the correct energy changes?
- A** Chemical → potential → electrical
 - B** Kinetic → potential → chemical
 - C** potential → chemical → electrical
 - D** potential → kinetic → electrical
- 195** Which of the illicit drugs listed below is taken into the body by injection?
- A** Herion
 - B** Dagga
 - C** Mandrax
 - D** Glue

196 The diagram below shows double circulation in human beings.

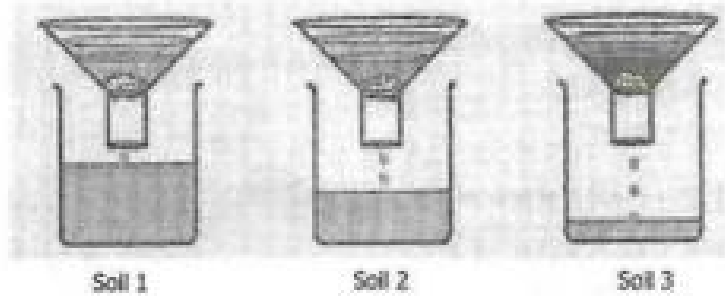


Blood leaving the heart moving to the body flows through the blood vessel ...

- A** P
- B** Q
- C** R
- D** S

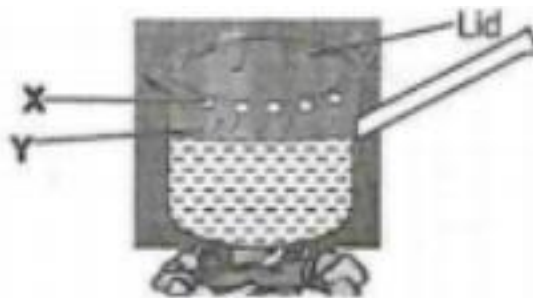
- 197** The social challenge most of the people living with HIV/AIDS have is ..
- A** having no access to ARTS.
 - B** poor community work performance.
 - C** rejection by friends and relatives.
 - D** spending a lot of time thinking of death.

198 A learner performed an experiment as shown.



The learner poured equal amount of water in all the funnels. The soil **3** is ...

- A** sand.
 - B** loam.
 - C** clay.
 - D** all soil.
- 199** A builder was asked to include some pipes when constructing a latrine. This was to ...
- A** allow germs out.
 - B** allow air in.
 - C** remove dust.
 - D** remove warm air.
- 200** The diagram below shows water being boiled in a pot.



Describe what is happening at point X and Y.

	X	Y
A	Evaporation	Boiling
B	Evaporation	Condensation
C	Condensation	Evaporation
D	Condensation	Boiling

201 The diagram below shows an insect.



What are the parts marked **P**, **Q**, **R** and **S**?

	P	Q	R	S
A	Head	Antennae	Abdomen	Thorax
B	Antennae	Head	Thorax	Abdomen
C	Abdomen	Thorax	antennae	Head
D	Antennae	Head	Thorax	Abdomen

202 Sexually Transmitted Infections (STIs) can be passed from one person to another through ...

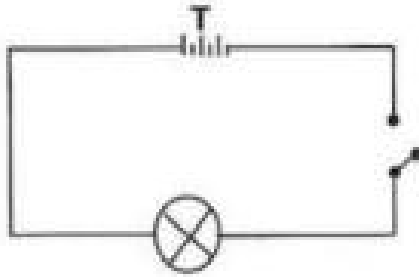
- A coughing.
- B hugging.
- C unprotected sex.
- D shaking hands.

203 Which of the following metals is used in electric cables?

- A Brass
- B Bronze
- C Copper
- D Gold

- 204** Which organ of the circulatory system pumps blood around the body?
- A** Lungs
 - B** Liver
 - C** Kidney
 - D** Heart
- 205** What care do people living with HIV/AIDS need?
- A** Provide them with good nutrition.
 - B** Isolate them from the family.
 - C** Give them their own beddings.
 - D** Give them separate rooms.
- 206** People who use harmful drugs usually have ...
- A** a lot of extra money.
 - B** enough food for their families.
 - C** good family relationships.
 - D** problems with memory.
- 207** The effective way of treating water for drinking is ...
- A** chlorination.
 - B** decantation.
 - C** distillation.
 - D** filtration.
- 208** Study the following list of plants carefully: Algae, mosses, fungi and ferns. The plants are classified as ...
- A** flowering.
 - B** indoor.
 - C** non-flowering.
 - D** wild green.
- 209** Which of the following is **not** a basic need of livestock?
- A** Light.
 - B** Food.
 - C** Shelter.
 - D** Water.

210 Study the electric circuit below.



What is the function of the part marked **T**?

- A** Shows movement.
- B** Source of electric power.
- C** Connects the circuit.
- D** Passage of current.

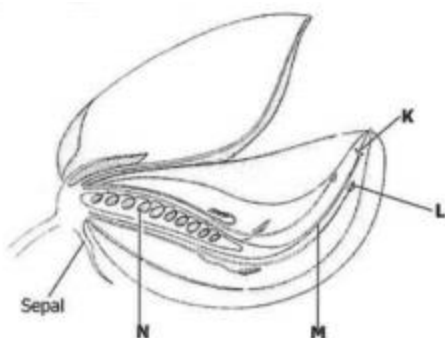
211 Study the list below describing a metal:

- it can be melted and mixed
- very good conductor of heat
- It prevents rustings
- It can easily be made into shapes

Which metal has been described above?

- A** Cobalt
- B** Copper
- C** Silver
- D** Zinc

212 Study the diagram of a flower below.



Which of the parts **K**, **L**, **M** and **N** develops into a fruit?

- A** K
- B** L
- C** M
- D** N

213 Study the list below showing ways of making water safe to drink.

- 1 Filtration
- 2 Distillation
- 3 Boiling
- 4 Chlorination

Which method of water treatment above is commonly used in rural areas?

- A** 1
- B** 2
- C** 3
- D** 4

214 Which of the following drugs may cause brain damage?

- A** Panadol
- B** Fansida
- C** Dagga
- D** Amoxcylin

215 Which of the following are common in both boys and girls at puberty?

- A** Growth of pubic hair and pimples.
- B** Enlarged breasts and pubic hair.
- C** Deepening of voice and growth of beards.
- D** Broadening of shoulders and development of pimples.

216 At what stage of development do girls start menstruation?

- A** Adult
- B** Childhood
- C** Puberty
- D** Teenage

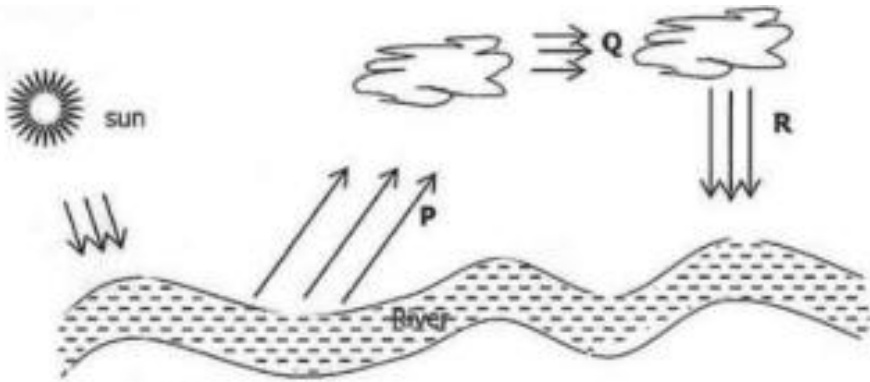
217 Which component of blood acts as a defence of the body against diseases?

- A** Blood plasma.
- B** Blood platelets.
- C** Red blood cells.
- D** White blood cells.

- 218** One of the physical differences between a male and a female body in humans is that a female has ...
- A** a broader chest.
 - B** a penis.
 - C** enlarged breasts.
 - D** muscles.

- 219** One of the possible dangers of eating food with no packaging label is eating food which ...
- A** has nutrients.
 - B** is expired.
 - C** is tasty.
 - D** is tasteless.

220 Study the diagram of the water cycle below.



The processes marked **P**, **Q** and **R** are ...

- | | P | Q | R |
|----------|---------------|---------------|---------------|
| A | Condensation | Evaporation | Precipitation |
| B | Evaporation | Condensation | Precipitation |
| C | Evaporation | Precipitation | Condensation |
| D | Precipitation | Condensation | Evaporation |
- 221** Which of the following is the best method of preventing pregnancy?
- A** Abstaining from sex
 - B** Observation of the menstrual cycle
 - C** Sticking to one sexual partner
 - D** Use of a condom

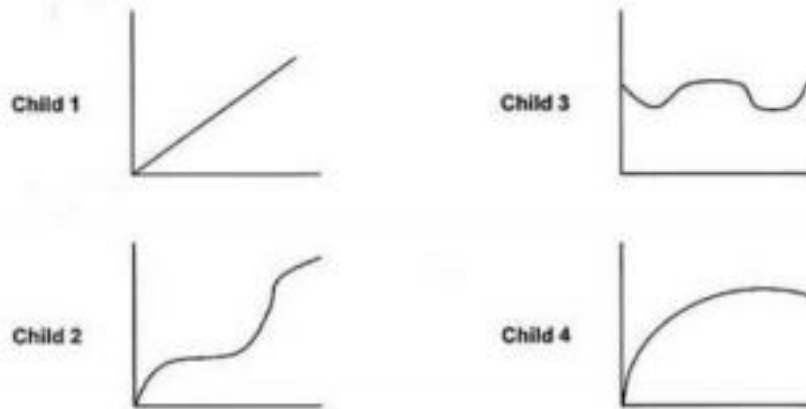
222 Animals without a backbone called ...

- A** vertabrates.
- B** mammals.
- C** lobsters.
- D** invertebrates.

223 A water borne disease which can cause severe vomiting and diarrhoea results from infection by ...

- A** bacteria
- B** fleas
- C** tse-tse fly
- D** virus

224 Below are graphs obtained from under five clinic cards for four children.



Which graph indicates that the child had a balanced diet and was healthy?

- A** 1
- B** 2
- C** 3
- D** 4

225 Which of the following produces sound?

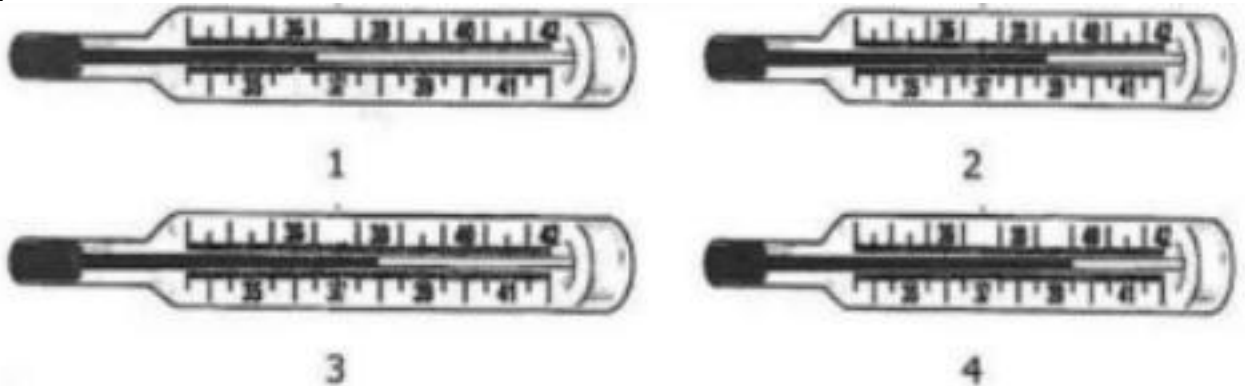
- A** Waves
- B** Vibration
- C** Beating
- D** Blowing

- 226** The diagram below shows an electrical appliance which is normally connected to the roof inside a building.



The electrical appliance helps to ...

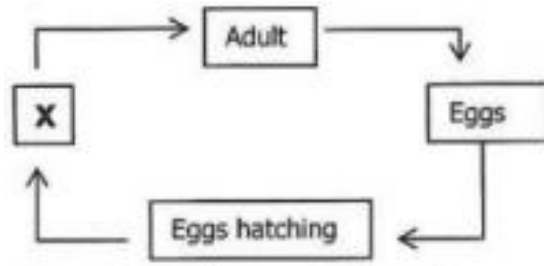
- A** add beauty to the building.
 - B** prevent the pollution of air inside the building.
 - C** provide good ventilation in the building.
 - D** remove cobwebs from the roof inside the building.
- 227** Mines have contributed to the pollution of the environment through ...
- A** noise and emissions.
 - B** floods and garbage.
 - C** drought and rainfall.
 - D** air and lightning.
- 228** The thermometers below show the temperatures of four different people.



Which of the thermometers shows the temperature of a person with fever?

- A** 1
- B** 2
- C** 3
- D** 4

229 Study the life cycle of a frog below.



What is **X** in the life cycle above?

- A** Eggs
 - B** Layer of eggs
 - C** Mating
 - D** Tadpole
- 230** Which of the following is an illicit drug?
- A** Penicilin
 - B** Panado
 - C** Cocaine
 - D** Asprin
- 231** Airborne diseases can be prevented by ...
- A** closing windows.
 - B** good ventilation.
 - C** going to the clinic.
 - D** sleeping in treated mosquito nets.
- 232** Which of the following is the main source of drinking water supply in urban areas?
- A** Wells
 - B** Taps
 - C** Dams
 - D** Boreholes
- 233** Which of the four chambers of the heart pumps blood to the lungs?
- A** Right auricle
 - B** Right ventricular
 - C** Left auricle
 - D** Left ventricular

234 Which of the following thermometers is used in hospitals?

- A** Minimum and maximum thermometer
- B** Laboratory thermometer
- C** Dry and wet bulb thermometer
- D** Clinical thermometer

235 A learner classified an animal as having the following features:

- Moist skin
- Cold blooded
- Lives on land and in water

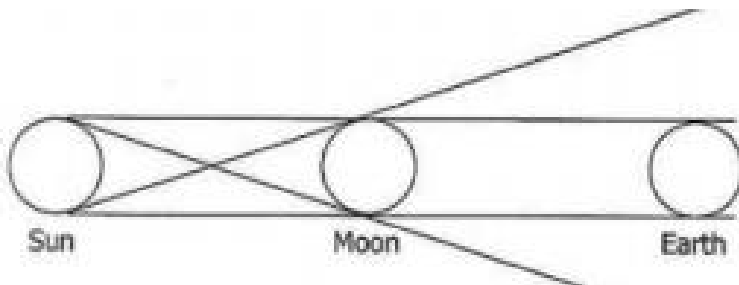
Which type of animal did the learner describe?

- A** Amphibian
- B** Bird
- C** Mammal
- D** Reptile

236 A family closed all the doors and windows before going to sleep, but forgot to put out a brazier in the kitchen. Everyone died because ...

- A** all the air finished.
- B** the room was full of smoke.
- C** they suffocated.
- D** they were burnt.

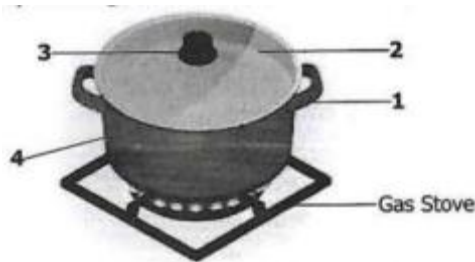
237 Study the diagram of the eclipse below.



This is an eclipse of the ...

- A** sun.
- B** star.
- C** moon.
- D** earth.

- 238** Why is seed dispersal important to plants?
- A** Avoids overcrowding of plants.
 - B** Helps plants to grow taller.
 - C** Keeps plants at one place.
 - D** Makes plants to bear more fruit.
- 239** Which of the following lists contains organs of the digestive system?
- A** Large intestines, Lungs, Anus
 - B** Liver, Stomach, Heat
 - C** Pancreas, Small intestines, Rectum
 - D** Stomach, Pancreas, Lungs
- 240** Study the diagram shown below.

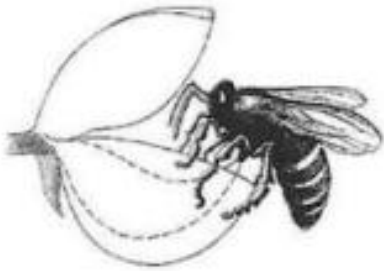


- Which of the parts marked **1**, **2**, **3** and **4** are made of good insulators?
- A** 1 and 3
 - B** 2 and 4
 - C** 3 and 2
 - D** 4 and 1
- 241** The challenge faced by farmers who use chemical fertiliser is that chemical fertiliser ...
- A** absorbs more water.
 - B** does not provide required nutrients.
 - C** is not easily absorbed by plants.
 - D** spoils the soil.
- 242** In which part of the alimentary canal is water mainly absorbed?
- A** Large intestines
 - B** Liver
 - C** Small intestines
 - D** Stomach

243 Which of the following shows the part of Zambia where cattle is not reared and the reason for this?

	Area	Reason
A	Bangweulu swamps	Foot and mouth disease
B	Barotse plains	Tick infested
C	Gwembe valley	Anthrax
D	Luangwa valley	Tse-tse fly infested

244 Study the diagram showing a flower and an insect.



How does the flower and insect benefit from each other?

	Benefit by flower	Benefit by insect
A	Fertilisation	Honey production
B	Pollination	Sucks nectar
C	Fertilization	Sucks nectar
D	Pollination	Honey production

245 Which of the following soils retains water for a long time?

- A** Clay
- B** Loam
- C** Sand
- D** Stony

246 Which of the following is a common animal parasite in Zambia?

- A** Beetle
- B** Mice
- C** Tick
- D** Weevil

- 247** Soil water is important for ...
- A** germination and transpiration.
 - B** respiration and photosynthesis
 - C** transpiration and respiration
 - D** photosynthesis and germination

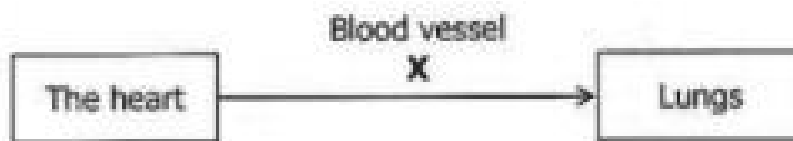
248 Below are lists of seeds used as food.

- 1 Beans, groundnuts, peas
- 2 Maize, beans, sorghum
- 3 Soya beans, millet, rice
- 4 Rice, beans, maize

Which list consists of seed which are sources of proteins?

- A** 1
- B** 2
- C** 3
- D** 4

249 The diagram below shows blood circulating in the body.



What blood vessel is at **X**?

- A** Aorta
- B** Pulmonary vein
- C** Pulmonary artery
- D** Vena cava

250 The water dripping from the roof of a building can be made clean and safe for drinking by ...

- A** boiling.
- B** decating.
- C** filtering.
- D** warming.

251 Study the list below:

- 1 Air vent, door , wall
- 2 Windows, door, air vent
- 3 Door, ceiling, wall
- 4 Windows, ceiling, door

Which list is made up of ventilators?

- A** 1
- B** 2
- C** 3
- D** 4

252 Sleeping under insecticide treated nets protects people from ...

- A** Diarrhoea.
- B** Malaria.
- C** Pneumonia.
- D** Tuberculosis.

253 Which of the following animals adapts to its environment by breathing through gills?

- A** Crocodile.
- B** Fish.
- C** Hippo.
- D** Tortoise.

254 The water dripping from the roof of a building can be made clean and safe for drinking by ...

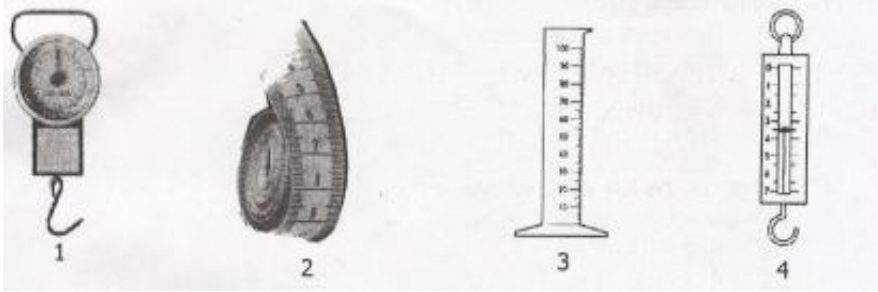
- A** boiling.
- B** decanting.
- C** filtering.
- D** warming.

255 What is photosynthesis?

- A** A way by which plants lose water gh the leaves.
- B** Dispersal of seeds into different directions.
- C** Process by which plants make food
- D** warming.

- 256** What is likely to happen to a person who drinks too much alcohol?
- A** The liver will be damaged.
 - B** The pancreas will be damaged.
 - C** The person will contract Tuberculosis.
 - D** The person will suffer from Malaria.

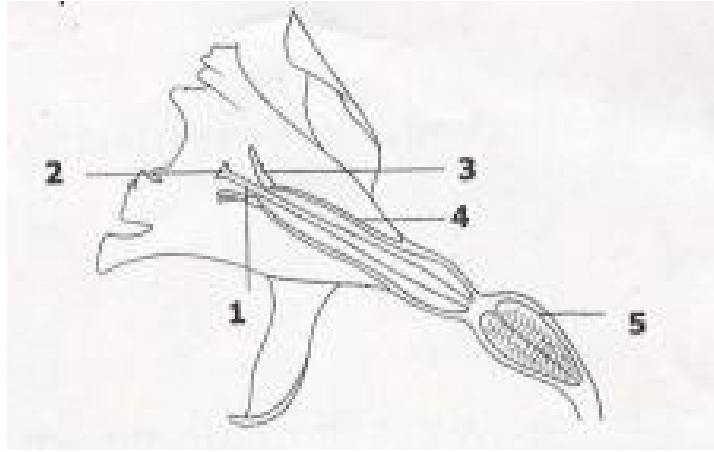
- 257** Which of the following is used to measure the volume of a liquid?



- A** 1
 - B** 2
 - C** 3
 - D** 4
- 258** Which of the following is the best method of treating water at home?
- A** Chlorination
 - B** Decantation
 - C** Distillation
 - D** Filtration
- 259** A human being is kept alive because blood is pumped all round the body by the ...
- A** arteries.
 - B** heart.
 - C** kidneys
 - D** lungs.
- 260** Which of the following describes the characteristics of an amphibian?
- A** Lives both in water and on land
 - B** Lives in sandy areas.
 - C** Lives only on land
 - D** Lives only in water

- 261** Which of the following should be done to a building during construction to provide good ventilation?
- A** Electrify it
 - B** Fitting bookshelves
 - C** Paint it
 - D** Provide vents
- 262** Which of the following are water borne diseases?
- A** Dysentery and measles
 - B** Pneumonia and tuberculosis
 - C** Tuberculosis and measles
 - D** Typhoid and dysentery
- 263** Which of the following animals are warm blooded and have hair on their bodies?
- A** Bat and tortoise
 - B** Rabbit and bat
 - C** Snake and rabbit
 - D** Tortoise and rabbit
- 264** The change of liquids to gas state in the environment is called ...
- A** condensation.
 - B** evaporation.
 - C** melting.
 - D** sublimation
- 265** To test for starch in a leaf, iodine solution is used. If starch is present, the leaf turns ...
- A** blue/black.
 - B** brown.
 - C** orange.
 - D** purple.

266 Study the diagram below.



Which of the parts marked **1** to **5** make the female parts of the flower?

- A** 1, 2 and 5
- B** 1, 3, and 4
- C** 3, 4 and 5
- D** 2, 4 and 5

267 Which of the following explains the importance of cleanliness in the care of livestock?

- A** Avoid outbreak of diseases
- B** Keep animals in one area
- C** Promote cross breeding
- D** Reduce quality of production

268 Voluntary Counselling and Testing (VCT) helps to find out whether a person has ...

- A** HIV.
- B** Syphilis.
- C** Lung cancer.
- D** Blood pressure.

269 The energy change in a bulb is ...

- A** chemical to electrical.
- B** chemical to light.
- C** electrical to light.
- D** electrical to sound.

270 Some learners wrote down the following examples of types of energy.

- 1 Electric
- 2 Sound
- 3 Heat
- 4 Conductor

Which number shows a wrong example?

- A** 1
- B** 2
- C** 3
- D** 4

271 Which of the following pests feeds by chewing the leaves of plants?

- A** Butterfly
- B** Grasshopper
- C** Spider
- D** Tick

272 Which of the animals below is not an invertebrate?

- A** Bee
- B** Cockroach
- C** Fish
- D** Grasshopper

273 Study the list below carefully.

- 1 Has three body parts
- 2 Its body is divided into two parts
- 3 Has six legs
- 4 Has eight legs

Which numbers describe the basic structure of a spider?

- A** 1 and 2
- B** 1 and 3
- C** 2 and 4
- D** 3 and 4

274 Study the diagram of a fruit shown below.



The type of seed dispersal of the fruit shown above is ...

- A** animal
- B** explosion
- C** water
- D** wind

275 Which of the following drugs can cause damage to a person's body if taken for years?

- A** Cocaine and mandrax
- B** Heroin and cocoa
- C** Marijuana and fancida
- D** Petrol and Panadol

276 Study the list below.

- 1 Pubic hair grows
- 2 Morning sickness
- 3 Appearance of pimples
- 4 Enlargement of breasts
- 5 Breaking of the voice

The numbers showing features of pregnancy are ...

- A** 1 and 4.
- B** 1 and 3.
- C** 2 and 3.
- D** 2 and 4.

277 What movements of the earth cause seasons, days and nights?

	Seasons	Day and Night
A	Revolution	Rotation
B	Rotation	Revolution
C	Revolution	Revolution
D	Rotation	Rotation

278 Which of the following substances can ruin the lives of people if abused?

- A** Bruffen
- B** Caffeine
- C** Dagga
- D** Panadol

279 Which of the procedures below is followed in the extraction and purification of copper in Zambia?

- A** Crushing, floating, smelting, electrolysis.
- B** Crushing, sterilization, floating, electrolysis.
- C** Floating, smelting, electrolysis, crushing.
- D** Floating, solidification, crushing.

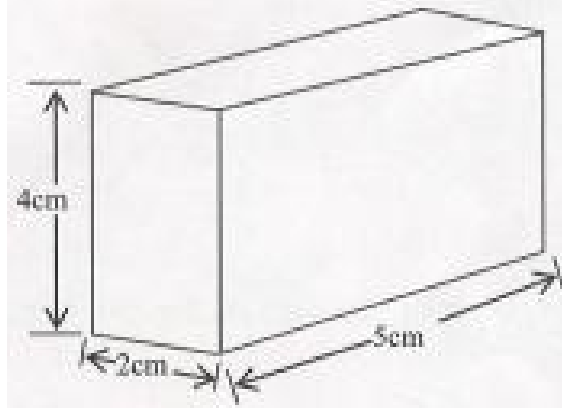
280 Which of the following methods of communication uses sound waves?

- A** E-mail and fax
- B** Letter and television
- C** Mobile phone and drum
- D** Telephone and e-mail

281 Which of the following are items made from copper?

- A** Permanent magnets and trophies
- B** Hoes and roofing sheets
- C** Coins and jewellery
- D** Batteries for vehicles and cables

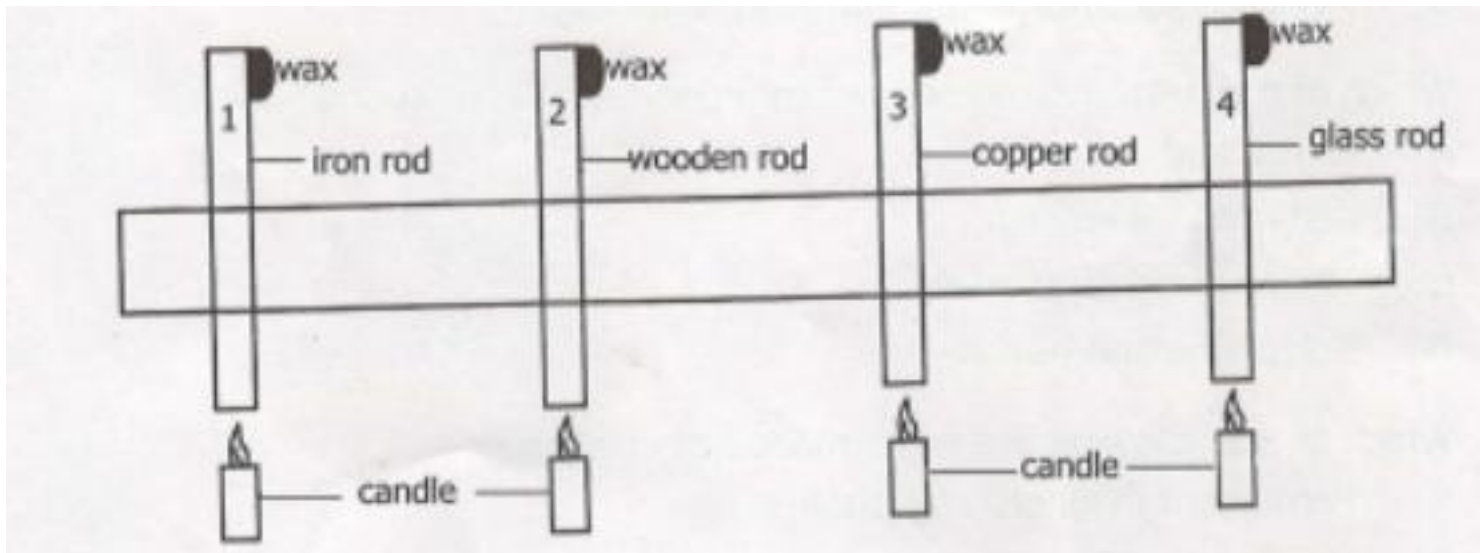
282 The diagram below shows a small box.



What is the volume of the box?

- A** 40cm³
- B** 40cm²
- C** 10cm³
- D** 10cm²

283 During an experiment, learners used solid materials as shown in the diagram below.



In which of the rods above will the wax melt?

- A** 1 and 2
- B** 1 and 3
- C** 2 and 4
- D** 3 and 4

284 A person who cannot stop abusing drugs is ...

- A** a criminal.
- B** a drunkard.
- C** a smoker.
- D** an addict.

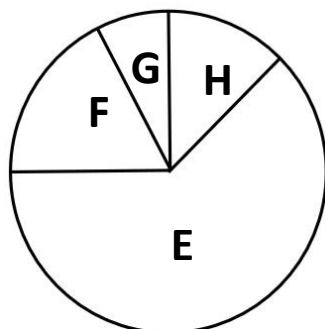
285 Study the list of fertilizers below.

- 1 Dead plants
- 2 Green manure
- 3 Animal waste
- 4 Compound D

Which of the fertilizers is **not** organic?

- A** 4
- B** 3
- C** 2
- D** 1

286 Study the pie chart below showing composition of air.



The gas represented by the part marked **E** is ...

- A** carbon dioxide.
- B** nitrogen.
- C** oxygen.
- D** water vapour.

287 What do we call animals which destroy certain crops by feeding on them

- A** Invertebrates
- B** Pests
- C** Predators
- D** Preys

288 Which of the following consists of properties of copper?

- A** Conductivity and colourless
- B** Conductivity and resistant
- C** Colourless and shapeless
- D** Resistant and shapeless

289 The normal human body temperature is ...

- A** 36° C.
- B** 37° C.
- C** 38° C.
- D** 39° C.

290 Which of the following is an insulator?

- A** Aluminium
- B** Copper
- C** Plastic
- D** Silver

291 Where in the alimentary canal are nutrients and water absorbed?

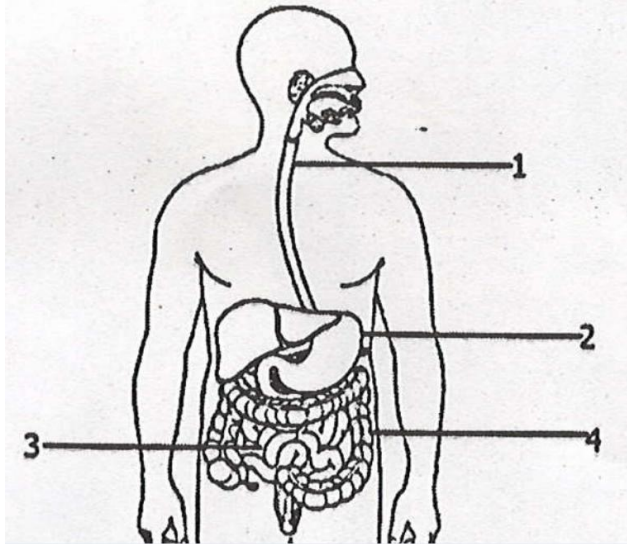
	Nutrients	Water
A	Large intestine	Stomach
B	Small intestine	Large intestine
C	Small intestine	Stomach
D	Stomach	Large intestine

292 A Grade 7 learner wanted to obtain salt from a mixture of salt and sand. What process did the learner use to achieve this?

- A** Decantation and filtration
- B** Distillation and decantation
- C** Evapouration and distillation
- D** Silver Filtration and evapouration

- 293** Which of the following methods can produce high pitch of sound?
- A** Blowing air into a container
 - B** Dropping a calabash
 - C** Hitting a filled up container with water
 - D** Hitting a metal bar
- 294** Which of the following is a simple machine used to hold things together?
- A** Inclined plane
 - B** Pulley
 - C** Screw
 - D** Seesaw
- 295** One of the advantages of chemical fertilizer in agriculture is that it ...
- A** encourages beneficial soil organisms.
 - B** improves the water retention of the soil.
 - C** supplies nutrients to plants quickly.
 - D** supplies nutrients to plants over a longer period.
- 296** Which of the following is list of non metals?
- A** Aluminium, oxygen, carbon, zinc
 - B** Aluminium, hydrogen, oxygen, carbon dioxide
 - C** Carbon, hydrogen, oxygen, carbon dioxide
 - D** Carbon dioxide, zinc, carbon, oxygen
- 297** What is the advantage of keeping livestock together?
- A** Diseases are more likely to spread
 - B** Diseases are not likely to spread
 - C** They are easily managed
 - D** They are not easily managed
- 298** Which of the following is **not** a way of retaining water in the soil?
- A** Mulching
 - B** Shading
 - C** Spraying
 - D** Terracing

299 Study the diagram below of the alimentary canal below.



In which of the labelled parts does absorption of food take place?

- A** 4
- B** 3
- C** 2
- D** 1

300 Food which is not digested in the alimentary canal is ..

- A** absorbed in rectum.
- B** eliminated as faeces.
- C** moved back to the intestine.
- D** stored in the stomach.

301 Which of the following is a source of light in the solar system?

- A** Earth
- B** Mars
- C** Moon
- D** Sun

302 Which of the following are skin diseases?

- A** Leprosy, scurvy and warts.
- B** Measles, scabies and chicken pox
- C** Scabies, marasmus and leprosy
- D** Warts, scurvy and syphilis

- 303** Study the following lists ..
- 1 Iron, Zinc, Copper, Aluminium.
 - 2 Carbon, Hydrogen, Zinc, Carbon dioxide
 - 3 Iron, Zinc, Hydrogen, Oxygen
 - 4 Carbon dioxide, Copper, Zinc, Oxygen

Which list consists of metals only?

- A** 1
- B** 2
- C** 3
- D** 4

- 304** Which of the following is the best way of looking after HIV and AIDS patients?

- A** Give them good nutrition and love
- B** Let them use their own cups
- C** Stop them from getting married
- D** Support but isolate them from the community

- 305** Many cooking pots are made of metal instead of clay because a metal is ...

- A** a worse conductor of heat.
- B** a better conductor of heat.
- C** heavier than clay.
- D** lighter than clay.

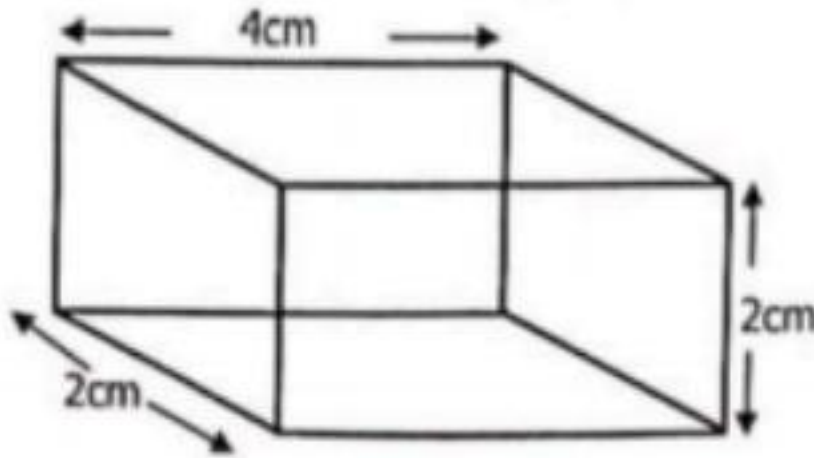
- 306** Which of the following are needs of livestock?

- A** Food and water
- B** Light and shade
- C** Plants and manure
- D** Soil and grass

- 307** What do doctors use to determine the body temperature of patients?

- A** Ammeter
- B** Barometer
- C** Hydrometer
- D** Thermometer

308 What is the volume of the following object?



- A 8cm^3
- B 10cm^3
- C 16cm^3
- D 20cm^3

309 One of the methods of conserving animal species from becoming extinct is by ...

- A keeping the animals in game parks.
- B keeping old animals only.
- C killing all the old animals.
- D killing some animals for a period of time.

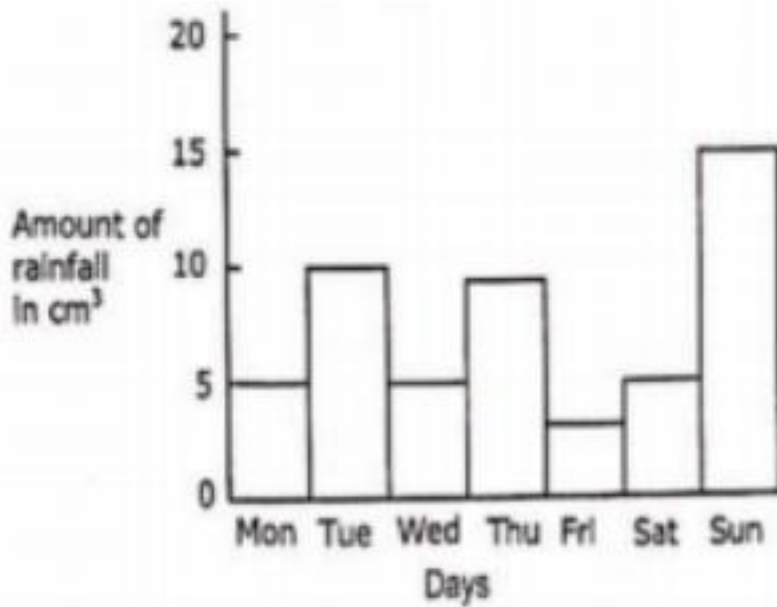
310 Excessive use of alcohol harms the body by causing ...

- A liver damage.
- B pneumonia.
- C rickets.
- D severe bleeding.

311 Which of the following is not a ventilator?

- A Air vent
- B Door
- C Roof
- D Window

312 Study the following diagram.



On which day was the lowest rainfall recorded?

- A** Friday
- B** Monday
- C** Sunday
- D** Wednesday

313 In the water cycle, what is the change from liquid to gas state called?

- A** Condensation
- B** Evaporation
- C** Precipitation
- D** Transpiration

314 Why are ventilators important in a building?

- A** Allow free air circulation
- B** Allow light to enter
- C** Control heat
- D** Provide more air

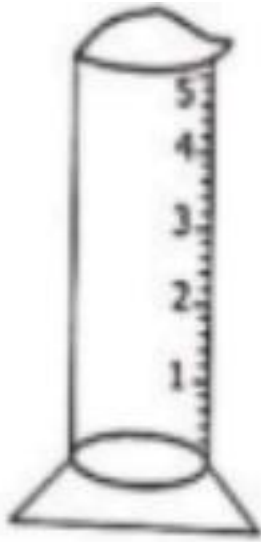
315 The property of Copper that makes it useful all over the world is its ...

- A** brown colour.
- B** good conduction.
- C** good insulation.
- D** softness.

316 Which of the following is not a deficiency disease?

- A** Dysentery
- B** Kwashiorkor
- C** Marasmus
- D** Rickets

317 Study the following diagram.



What does the above apparatus measure?

- A** Force
- B** Mass
- C** Volume
- D** Weight

318 Farmers are advised **not** to crowd their animals because ...

- A** treatment would be easy.
- B** space would be less.
- C** management would be easy.
- D** diseases would be easily spread.

319 Which of the following organs is **not** part of the digestive system?

- A** Large intestine
- B** Kidneys
- C** Pancreas
- D** Small intestine

- 320** Grade 5 learners left plant material in a pit to decompose in order to make ...
- A** compost manure.
 - B** Compound D.
 - C** Inorganic fertilizer.
 - D** Phosphates

- 321** Study the following list of food types.
- 1 Pumpkin
 - 2 Mango
 - 3 Pawpaw
 - 4 Carrot

The list contains food rich in ...

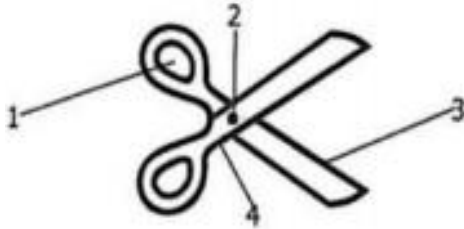
- A** Carbohydrates.
 - B** Fats.
 - C** Proteins
 - D** Vitamins.
- 322** A farmer keeping cattle cleaned the kraal twice a week in order to prevent ...
- A** accumulation of dung.
 - B** an outbreak of diseases.
 - C** bad smell of animal urine and dung.
 - D** dust from settling in the kraal.
- 323** Which of the following is the difference between organic and inorganic fertilizers?

	Organic	Inorganic
A	Made from natural material	Made from chemicals
B	Sold as granules in bags	Sold as manure
C	Very expensive	Very cheap
D	Small amounts required	large amounts must be used

324 Communication is important is because it ...

- A** encourages the use of a television.
- B** helps to pass messages.
- C** prevents drums from extinction.
- D** promotes cell phone production.

325 The following diagram shows a simple machine



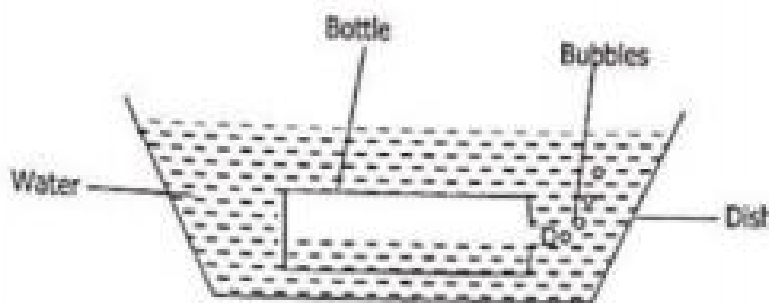
Which numbered part represents the pivot?

- A** 1
- B** 2
- C** 3
- D** 4

326 Which of the following animals is classified as a mammal?

- A** Cow
- B** Duck
- C** Frog
- D** Lizard

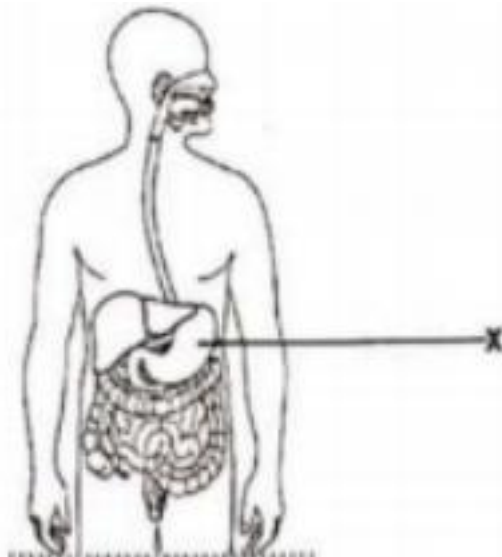
327 Study the following experiment showing a property of matter.



The experiment shows that air ...

- A** has no weight.
- B** has mass.
- C** has shape.
- D** occupies space.

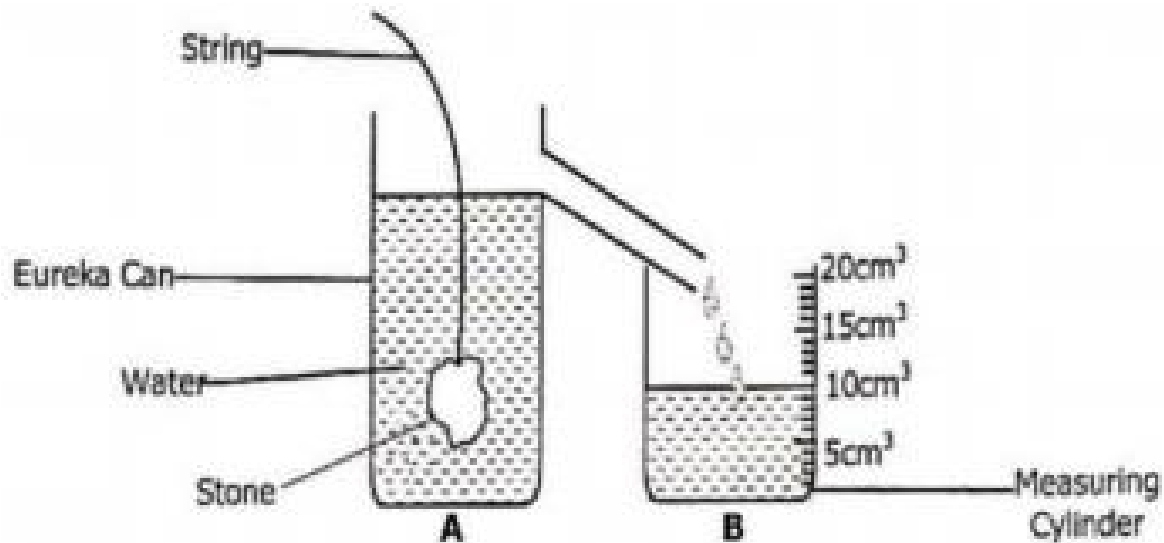
- 328** Some children who were left with a brazier inside a poorly ventilated room suffocated but were saved by quickly ...
- A** blowing air on them using a fan.
 - B** pouring cold water on them.
 - C** taking them out for fresh air.
 - D** taking them to the hospital.
- 329** Dust from quarrying and mine dumps affects the environment by causing ... pollution.
- A** air and land
 - B** air and noise
 - C** land and water
 - D** noise and water.
- 330** Sound can be made louder by ...
- A** keeping vibrations without charging.
 - B** making the vibrations stronger.
 - C** making the vibrations weaker.
 - D** stopping the vibrations suddenly.
- 331** Study the following diagram of the digestive system.



What happens in the part labelled X?

- A** Absorption of food
- B** Absorption of water
- C** Temporal storage of food
- D** Temporal storage of water.

332 Study the following diagram.



What is the volume of the stone?

- A** 5cm³
- B** 10cm³
- C** 15cm³
- D** 20cm³

333 Learners carried out an investigation to find out whether the following substances were conductors or insulators.

- Plastic
- Rubber
- Paper

The above were discovered that they were ...

- A** objects.
- B** metals.
- C** good conductors.
- D** bad conductors.

334 Which of the following plants is propagated using suckers?

- A** Potatoes
- B** Maize
- C** Cassava
- D** Banana

335 Which of the following is an alternative energy source in view of load shedding?

- A** Geothermal
- B** Hydro
- C** Solar
- D** Wind

336 The following shows an animal.



The animal above is a

- A** mammal.
- B** vertebrate.
- C** warm blooded.
- D** wasp.

337 Which of the following is **not** an illicit drug?

- A** Alcohol
- B** Cocaine
- C** Heroin
- D** Panadol

338 Which of the following correctly gives the age at which boys and girls reach puberty?

	Boys	Girls
A	8	10
B	11	10
C	15	15
D	16	15

- 339** A learner described an animal as having the following features
- moist skin
 - cold blooded
 - lives on land and in water

Which type of animal did the learner describe?

- A** Amphibian
- B** Bird
- C** Mammal
- D** Reptile

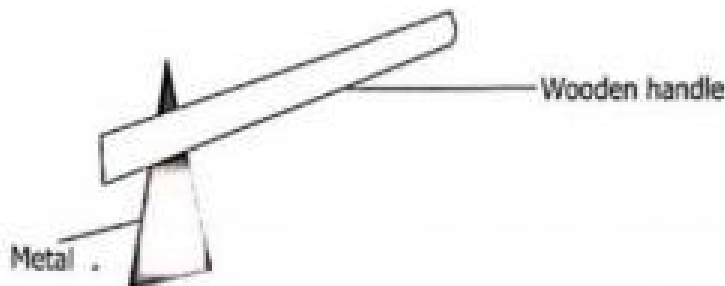
- 340** Which diseases are caused by tsetse flies in man and in cattle?

	Man	Cattle
A	Bilharzia	Black foot
B	Dysentery	Foot and mouth disease
C	Malaria	Anthrax
D	Sleeping Sickness	Nagana

- 341** Why is lightning seen first before the thunder is heard?

- A** Lightening takes place before thunder.
- B** Light travels faster sound.
- C** Sound travels faster than light
- D** Thunder takes place before lightening

- 342** Study the following diagram.



What is the simple machine shown in the diagram?

- A** Lever
- B** Screw
- C** See-saw
- D** Wedge

343 Which of the following are ways of preventing the spread of HIV and AIDS?

- A** Abstain from sex and avoid shaking hands.
- B** Avoid drug abuse and HIV positive people.
- C** Eat a balanced diet and sleep under a mosquito net.
- D** Not sharing combs and razor blades.

344 Study the following first aid procedure.

- 1 Put the victim in an airy place
- 2 Use mouth to mouth resuscitation
- 3 Take the victim to a clinic or hospital

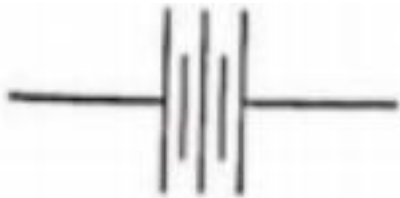
Which accident may prompt you to follow the laid down first aid procedure?

- A** Chocking
- B** Electric shock
- C** Snake bite
- D** Suffocation

345 The movement of blood in the body is called ...

- A** absorption.
- B** circulation.
- C** digestion.
- D** respiration.

346 Study the following diagram.



The use of the above in a circuit is to.

- A** close and open the circuit.
- B** join the wires in a circuit.
- C** protect electrical appliances.
- D** provide electric energy.

- 347** Musical instruments and decorative objects are made from a combination of copper and zinc which is called ...
- A** brass.
 - B** bronze.
 - C** tin.
 - D** zinc.

- 348** Study the following table showing metals and non-metals.

Metals	Non-Metals
Aluminium	Hydrogen
Carbon	Carbon dioxide
Copper	Oxygen
Iron	Zinc

Which of the following substances are placed in a wrong column?

- A** Aluminium and oxygen
 - B** Carbon and zinc
 - C** Iron and oxygen
 - D** Zinc and aluminium
- 349** Which of the following is **not** a health risk associated with early sexual debut?
- A** Cervical cancer
 - B** Contraction of STIs and HIV
 - C** Stopping of the menstrual period.
 - D** Teenage pregnancy
- 350** During the test for starch, the brown colour indicates that there is ...
- A** less starch
 - B** more starch
 - C** no starch
 - D** starch

SUGGESTED ANSWERS

1	C	16	C	31	D	46	D
2	A	17	D	32	B	47	C
3	D	18	D	33	C	48	D
4	D	19	D	34	A	49	C
5	A	20	C	35	B	50	B
6	D	21	B	36	C	51	C
7	B	22	B	37	C	52	B
8	A	23	B	38	C	53	A
9	C	24	A	39	A	54	B
10	B	25	C	40	D	55	A
11	A	26	A	41	D	56	D
12	B	27	A	42	C	57	C
13	B	28	B	43	B	58	D
14	C	29	D	44	D	59	A
15	B	30	D	45	B	60	D

SUGGESTED ANSWERS

61	B	76	A	91	A	106	D
62	A	77	A	92	B	107	C
63	C	78	B	93	D	108	C
64	D	79	D	94	A	109	B
65	B	80	D	95	A	110	B
66	D	81	C	96	C	111	D
67	A	82	D	97	C	112	A
68	B	83	D	98	A	113	A
69	C	84	A	99	D	114	B
70	C	85	C	100	C	115	D
71	B	86	D	101	D	116	B
72	B	87	B	102	D	117	A
73	D	88	C	103	D	118	A
74	B	89	C	104	B	119	D
75	B	90	B	105	A	120	A

SUGGESTED ANSWERS

121	A	136	C	151	C	166	C
122	D	137	B	152	D	167	B
123	B	138	C	153	B	168	A
124	D	139	C	154	A	169	A
125	B	140	A	155	B	170	D
126	D	141	B	156	A	171	D
127	B	142	B	157	D	172	B
128	A	143	C	158	B	173	B
129	D	144	C	159	D	174	B
130	A	145	C	160	B	175	C
131	A	146	B	161	C	176	D
132	D	147	A	162	A	177	B
133	D	148	B	163	A	178	D
134	A	149	B	164	C	179	D
135	C	150	A	165	C	180	A

SUGGESTED ANSWERS

181	B	196	C	211	C	226	C
182	D	197	C	212	D	227	A
183	C	198	C	213	C	228	D
184	D	199	D	214	C	229	D
185	B	200	C	215	A	230	C
186	B	201	B	216	C	231	B
187	D	202	C	217	D	232	B
188	A	203	C	218	C	233	B
189	C	204	D	219	B	234	D
190	B	205	A	220	B	235	A
191	B	206	D	221	A	236	C
192	A	207	A	222	D	237	A
193	B	208	C	223	A	238	A
194	D	209	A	224	A	239	C
195	A	210	B	225	B	240	A

SUGGESTED ANSWERS

241	D	256	A	271	B	286	B
242	A	257	C	272	C	287	B
243	D	258	A	273	C	288	B
244	B	259	B	274	B	289	B
245	A	260	A	275	A	290	C
246	C	261	D	276	D	291	B
247	A	262	D	277	A	292	D
248	A	263	B	278	C	293	D
249	C	264	B	279	A	294	C
250	A	265	A	280	C	295	C
251	B	266	A	281	D	296	C
252	B	267	A	282	A	297	C
253	B	268	A	283	B	298	C
254	A	269	C	284	D	299	B
255	C	270	D	285	A	300	B

SUGGESTED ANSWERS

301	D	316	A	331	C	346	D
302	B	317	C	332	B	347	A
303	A	318	D	333	D	348	B
304	A	319	B	334	D	349	C
305	B	320	A	335	C	350	C
306	A	321	A	336	B		
307	D	322	B	337	D		
308	C	323	A	338	B		
309	A	324	B	339	A		
310	A	325	B	340	D		
311	C	326	A	341	B		
312	A	327	D	342	D		
313	B	328	C	343	D		
314	A	329	A	344	D		
315	B	330	B	345	B		



ALL THE BEST!!



Mr 6points