

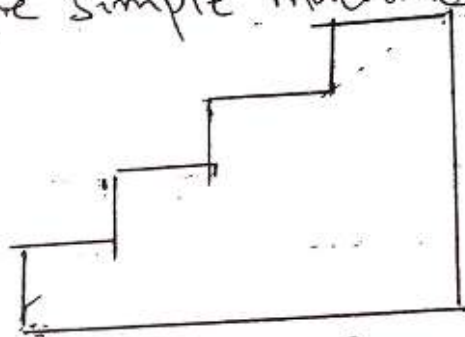
SEIA

1. A tongue is a sense organ for taste. Mention one taste. Sour, sweet, bitter, salty.
2. Which component of blood regulates the body temperature?  
plasma

3. Why should beddings regularly in the sunshine  
- to remove moisture/dampness - kill some germs

4. Give one example of a constrictor  
python, boar, anaconda.

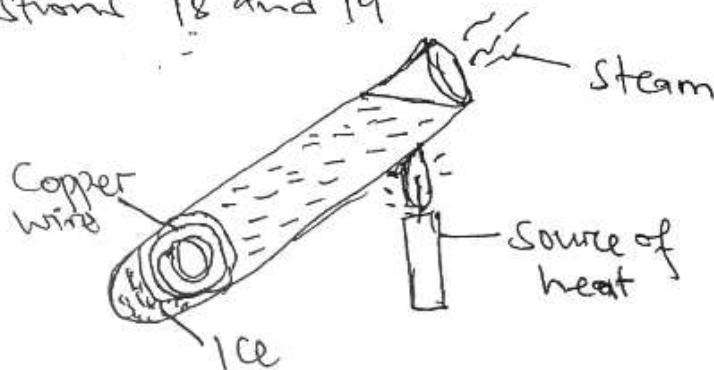
5. How is the simple machine below used in our daily life



- climbing - moving from one level to another

6. Explain how deforestation can affect the production of electricity hydroelectricity.  
reduces amount of water in lakes and rivers (rainfall)
7. How does breast feeding protect the baby against diarrhoea?  
- builds baby's body immunity
8. Write one any one energy resource got from plants  
- firewood, charcoal, food, biogas
9. Name the gland that secretes digestive juice in the mouth  
- Salivary amylase
10. Give one sign of short circuit.  
- Sparking, fire, smell of burning rubber

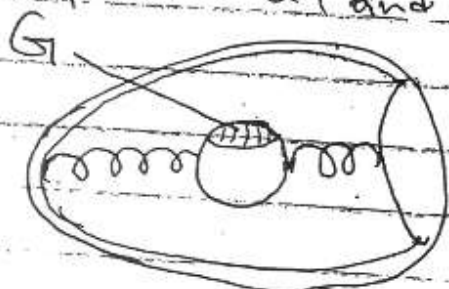
11. Why is the floor <sup>of SH</sup> constructed when slanting?  
- easy cleaning - enable wastes to drain
12. Which element of PHC helps to care for expectant mothers and their newly born babies?  
- Maternal and child health care
13. How can a p.7 pupil find the volume of an egg?  
- Using displacement method.
14. State the difference between the wood produced by mvule tree and pine.  
Mvule tree produces hardwood while pine produces soft-wood
15. How is the transmission of malaria similar to sleeping sickness?  
- both are spread through insect bites
16. Apart from air and water, name one non living ~~renew~~ component of the environment. - Sun - minerals - soil
17. State one property of sinking objects?  
They are denser than water
- Study the diagram below and use it to answer questions 18 and 19



18. Which state of matter is steam?  
gas

19. Why doesn't the ice at the bottom of the test tube melt?   
 Water is a poor conductor of heat
20. Mention one natural change which can destroy the environment. - lightning, floods, pests, diseases, drought
21. Besides yeast, which other living thing helps in the fermentation of alcohol?   
 - bacteria
22. Mention one activity that is done in cattle management to prevent poor breeds from mating.   
 - Castration
23. Give one situation where conduction of heat is useful in our everyday life.   
 Cooking, ironing, smelting
24. What advice can you give to a mother whose child has wasted muscles, face looks like that of adult and brown hair   
 - give a child food rich in carbohydrates
25. Why does salt disappear when it is mixed in water?   
 - dissolves
26. State the property of air demonstrated when air is pumped into a ball and it becomes bigger.   
 air occupies space.

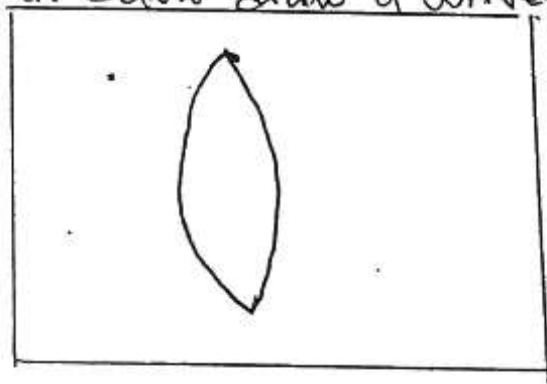
The diagram below is a structure of an egg. Use it to answer questions 27 and 28.



Success has a simple formula: do what you best, and people may like it.



27. Use letter G to show the part of an egg rich in protein.
28. Why is the egg shell porous?
- allow gaseous exchange
29. What is the function of the skull?
- protect the brain
30. Vultures and crows were found feeding on a dead animal.  
What group of birds do they belong to?
- Scavenger birds
31. Give a reason why we should bathe with soap?
- Kill germs remove dirt/sweat prevent body
32. Mention one cereal commonly used as food.
- maize rice millet wheat
33. How is plant training important to a tomato?
- enables tomato plant to grow upright.
34. In the space given below draw a Converging lens.



35. Which part of an insect are the wings located?
- thorax
36. How is weather forecast important to a farmer?
- enables farmer to plan for his/her farm activities

- 37 Why is proper disposal of refuse important in a home?  
- prevents diseases, control house flies
- 38 Outline one possible danger of buying drugs from local shops or markets:  
fake drugs - poorly stored, Not properly prescribed
- 39 Give one reason why bees swarm  
- When the queen dies, wants to mate, new queen emerger.
40. What type of energy is possessed by a falling mango fruit before reaching the ground?  
- Kinetic energy

### SECTION B

- 41 a) What are Sex deviations  
- Are sexual acts that are different from the normal and accepted way.
- b) Give one example of Sex deviation  
- bestiality homosexuality lesbianism incest masturbat. oral sex
- c) Outline one Cause of Sex deviation  
drug abuse, Pornography, fear of members of opposite sex
- d) State one effect of Sex deviations in our Community.  
- against nature and religious belief, prostate cancer, No children

- 42 The diagram is of an experiment of air Carried out by P.S class. Use it to answer questions that follow.

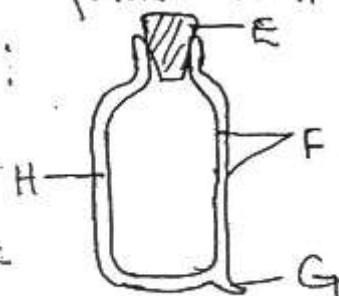


- Name the substance R.  
- water vapour (steam)
- Which process is taking place in the Kettle?  
- evaporation
- What is the importance of cold water in the bottle?  
Condense vapour (steam)
- Mention the natural process illustrated in the above diagram.

Water/rain cycle.

- Give one example of parasites in poultry  
lice, mites, fleas
  - State one effect of parasites to poultry birds.  
Suck blood, cause wound
  - How can a farmer control parasites in a poultry farm?  
Spraying, keeping house clean.
  - What is the importance of foot bath done at the entrance of most poultry farms?  
- control diseases - kill germs
- 44) How can the following mixtures be separated
- rice and small stones - Sorting
  - Sugar and Iron filings - Using magnet
  - millet and husks - winnowing
  - oil and water - Using separating funnel.

- 45) Below is a structure of a thermos flask. Use it to answer questions that follow.



a) Name the part marked G  
- Vacuum Seal

b) What is the function of part F  
Prevents heat loss by radiation

c) How does part E prevent heat loss  
by conduction

d) A thermos flask can keep hot things hot and cold things cold. Why is it able to keep cold things cold?  
- doesn't allow heat gain.

46

Match the ~~list~~ of weather instruments and their functions

Instruments

Functions

Rain gauge

densities of liquids

anemometer

amount of rainfall

hydrometer

humidity

hygrometer

Speed of wind

i) ~~Rainfall~~ Rain gauge

- amount of rainfall

ii) Anemometer

- speed of wind

iii) hydrometer

- densities of liquids

iv) hygrometer

- humidity

47 a) Give a reason why plants need the following

Components of air

i) oxygen

- germination respiration

ii) nitrogen

- make proteins

b) How do plants purify the air in the environment  
- taking in Carbon dioxide and release oxygen  
- plant leaves trap dust in the air.

Success has a simple formula: do your best, and people may like it.

- d) State one way of conserving plants in the environment. - Using energy saving stores, alternative sources of energy - planting more trees

48. Which body organ can enable a normal person to sense the following?

- a) Water is hot - Skin
- b) Sugar is enough - tongue
- c) Tea leaves are enough - eye
- d) It is noisy - ear

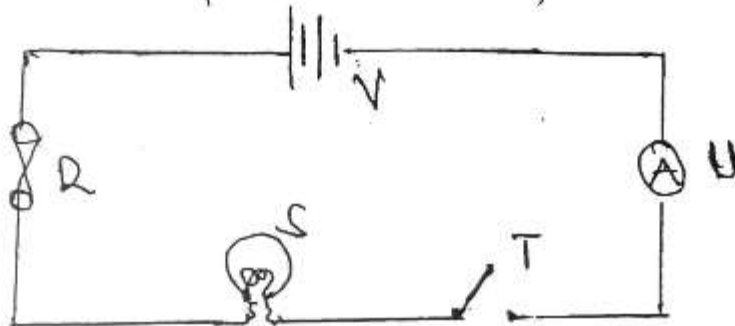
49. a) Give one reason why farmers rear goats  
Source of income, food, employment

b) Why do some farmers prefer rearing goats to cattle  
goats mature faster, require less food, produce faster & many

c) Name the breed of goats kept for mohair  
- Angora goats

d) What is the role of shelter in a goat farm?  
provides protection.

50. Study the diagram of an electric circuit below and use it to answer questions that follow.



a) Name the part labelled U - Ammeter



- b) Mention one form of energy produced by S when the circuit is complete  
 - heat / Light energy
- c) How are the  $\oint$  roles of R <sup>and</sup> ~~formal~~ to T similar?  
 - Both break the circuit
- d) State the energy that takes place in V when T is closed  
 - chemical energy to electric energy

51 a) Name the ~~deficit~~ deficiency disease caused by lack of the following nutrients in the body.

- i) Iron - anaemia  
 ii) proteins - Kwashiorkor

b) Give two possible reasons why some families are not able to ~~provide~~ <sup>get</sup> enough food.

- i) poverty, Lazyness, lack of land, wars  
 ii) drought, pests, diseases, floods, landslides

52 a) What is drug dependence

Is a condition which results from prolonged use of a drug.

b) Outline one cause of drug dependence

bad peer groups persuasive adverts, psychological reasons

c) State one problem caused by drug dependence

Self neglect damage of body organs loss of income/jobs

d) Give one life skill that can safe guard the youth from alcoholism ~~vs~~ and smoking.

Deciding to stop smoking/drinking avoiding bad groups proper use of free time.

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Below is a list of animals, Use it to answer the questions that follow

Monkey Parrot, Crocodile and tilapia

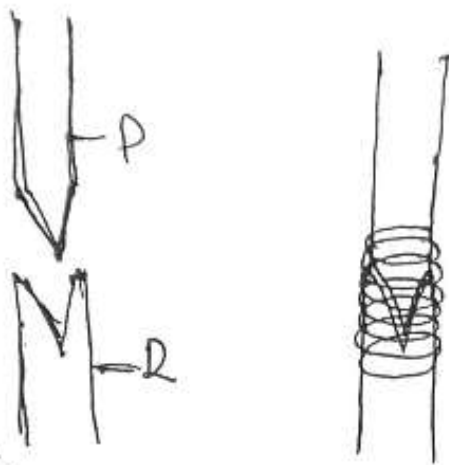
- What feature makes a monkey different from other animals in the list.
  - produces live young ones
  - has mammary glands
  - hair/fur
- In which way is a parrot similar to a crocodile
  - Use lungs for breathing, undergo internal fertilisation, lay eggs
  - have scales
- How is the reproduction of tilapia different from others
  - tilapia undergoes external fertilisation
- Which group of vertebrates is missing from the above list
  - amphibians

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- Identify one way plants depend on non living things
  - plants use carbon dioxide / oxygen / water / grow on soil
- Mention one <sup>example of</sup> ~~raw material~~ plant fiber.
  - cotton wool, jute, sisal, banana fibre
- In which way does soil depend on animals.
  - Animal wastes form manure - earth worms aerate soil
- Give one value of a woodlot to a school,
  - source of food, wood, fuel,

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The diagram below shows artificial method of vegetative propagation. Use it to answer questions that follow.



Mention

- a) ~~Mention~~ the artificial method of vegetative propagation shown above. - grafting
- b) Name part labelled P - Scion
- c) Give one example of a plant that can be propagated using the above method.  
Mangoes, oranges, coffee, guavas
- d) State one advantage of vegetative propagation.
  - Only one plant is needed to produce off-spring
  - growth of young plant is rapid
  - young plant uses food from the parent plant before it is established
  - maintains desired characteristics