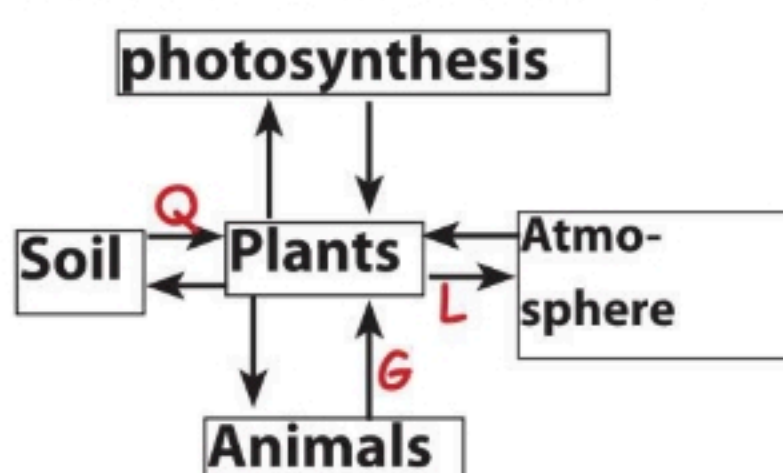


1. State the type of soil erosion caused by rain drops as they hit the soil directly.
2. How can tins containing water be of a danger in our environment?
3. Mention the health problem that arises due to having too much fats in the body.
4. Give one way breastfeeding can help in child spacing.
5. How does paddock grazing control ticks in cattle keeping?
6. Give any one form of weather.
7. Mention one activity that can help to prevent bad body odour.
8. Why is a bean plant regarded as a dicotyledonous plant?
9. Name the type of feathers that are used by birds during flight.
10. The diagram shows a hand washing facility in public places, why should every home have the above facility in front of a latrine?
12. Give one way of increasing friction on a slippery road.
13. State what happens to food in the stomach.
14. Why does heat travel the slowest in solids?
15. Give one scale for measuring



- temperature.
16. Name the hormone that is secreted from ovaries in the human reproductive system.
 17. Give one condition in which a stretcher is useful to a first aider.
 18. Give the important process that occurs in the body cells of an organism.
 19. Besides writing, give one other method of storing sound energy.
 20. Why are mothers encouraged to give food rich in proteins to babies that have been weaned?
 21. State one method of controlling the spread of trachoma among people in a community.
 22. Mention one way of controlling seed dormancy in crop farming.
 23. How are animals important during the process of photosynthesis?

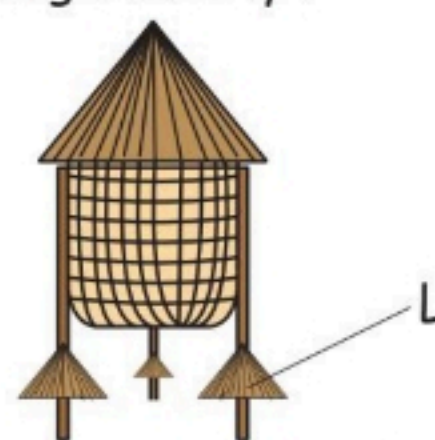
- 41 a) Give the meaning of the term sedimentation as used in the purification of water.
- b) Why is water obtained by sedimentation not recommended for drinking?
- c) Besides sedimentation, give two other ways of obtaining clean water from dirty water.
- 42 a) Give the usefulness of the following to a cetacean
 - i) Streamlined body
 - ii) Blubber
- b) State any two examples of cetaceans.
- 43 The diagram below shows simple kinds of interdependence in the environment, use it to answer questions that follow.



- a) Name any one substance represented by arrow Q
- b) Identify the gases represented by letters:
 - i) G
 - ii) L
- c) How is photosynthesis helpful in the control of air pollution?
- 44 a) Mention any two factors

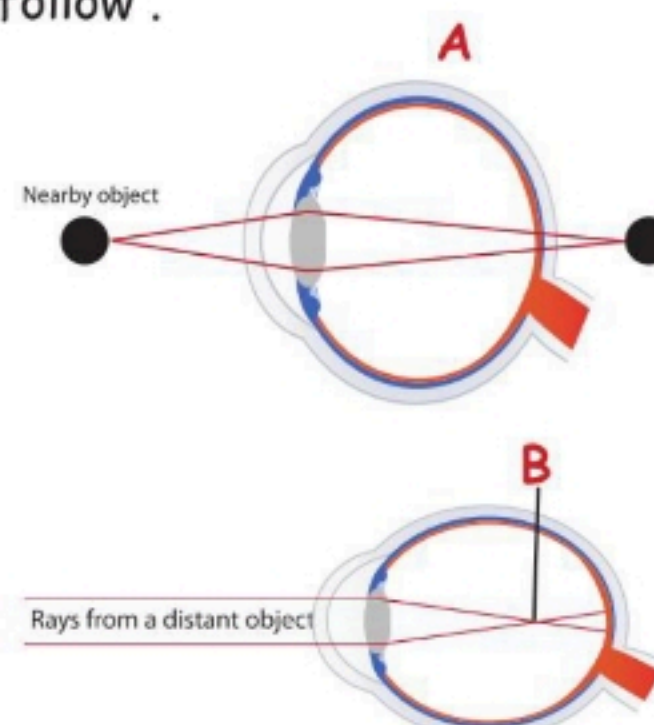
- a) that can cause drug abuse among the youth.
- b) Give two effects of abused drugs to human health.
- 45 a) Where in the human eye are images focused on?
- b) Mention any two characteristics of the images formed on the eye.
- c) Give one similarity between optic nerves of the eye and the auditory nerves of the ear.
- 46 a) What is an echo?
- b) Identify any two animals that navigate by use of echoes.
- c) Give one way of reducing the effect of echoes in a studio.
- 47 a) State the meaning of the following terms
 - i) Voluntary muscles
 - ii) Involuntary muscles
- b) Besides movement and protection, Give one other functions of the skeleton to an organism.
- c) Name the class of food necessary for the formation of strong bones and teeth.
- 48 a) Name two layers of the soil profile that do not support plant growth.
- b) Give a reason why the above layers are unable to support plant growth.
- c) Mention any one crop growing practice that leads to soil

24. The diagram below shows a home storage facility.



- Name the structures marked L.
25. Why should the stands on the above structure be fixed a metre from the ground?
 26. Why does a nail sink when placed in a basin full of water?
 27. State the gestation period of an in-calf
 28. Give one characteristic of freezing as a physical change.
 29. Name the type of force that can pass through wood without necessarily affecting it.
 30. Why is it dangerous to put soil on a fresh cut on the skin?
 31. State one cause of constipation

- a) exhaustion.
- 49 a) State one way of preserving animal skins and hides.
- b) How is colostrum important to a calf?
- c) Mention any two protozoan diseases that attack cattle.
- 50 Study the diagram below and use it to answer questions that follow.



- a) Identify the eye defect labelled B.
- b) State one possible cause of eye defect A.
- c) What does the term accommodation mean in eyesight?
- d) State one way of caring for the eye.
- 51 a) Mention two factors that affect the rate of transpiration.
- b) Name the biological process in humans similar to transpiration in plants.

- a) tion as a digestive disorder.
32. Why shouldn't people with HIV be treated in isolation?
33. By what process do the double silvered walls of the thermo flask control heat loss or heat gain?
34. How is the occurrence of lightning important to a crop farmer?
35. Why can't a clinical thermometer be sterilised by boiling?
36. Which type of pollination occurs on flowers with same reproductive organ?
37. Give one adaptation of the white blood cells to their functions.
38. Mention one activity in a home done to destroy hiding places for vectors.
39. Write down one effect of buoyancy on objects that float on water.
40. Why is a desk called matter?

- a) c) State one way the above processes are similar.
- 52 a) Besides storing food temporarily, give one other function of the stomach during digestion.
- b) Outline two characteristics of enzymes.
- c) Why are enzymes unable to act on food which is not properly chewed?
- 53 a) Name the protozoan germ that causes dysentery.
- b) Give two signs of dysentery in humans.
- c) State one way of controlling the spread of dysentery in a community.
- 54 a) Give the meaning of the term excretion.
- b) Mention any two examples of nitrogenous compounds.
- c) Where does selective reabsorption take place in the human kidneys?
- d) Apart from excretion, mention any one other life processes that occur in living things.
- 55 a) Cite one unique difference between an ECOSAN latrine and a VIP latrine.
- b) Mention any two activities one can do to prevent bad smell and houseflies in an ECOSAN latrine.
- c) Give two indicators of poor sanitation in an area.

INTEGRATED SCIENCE

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SECTION A

SECTION B

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1. It leads
2. The gul
3. To prom
4. They de
5. By prom
6. The exp
7. It prev
8. To prev
9. It enab
10. Dehyd
11. It help
12. It enab
13. By add
14. Sweet
15. It cha
16. To loo
17. Wom
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30. It has
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34. Decan
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36. a) It s
37. a) Nor
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40. d) the ma
41. due to cor
42. of domain