

Q6. How many terminals does a cell have?

- (a) One (b) Two (c) Three (d) Four

Q7. Which worm helps in vermicomposting?

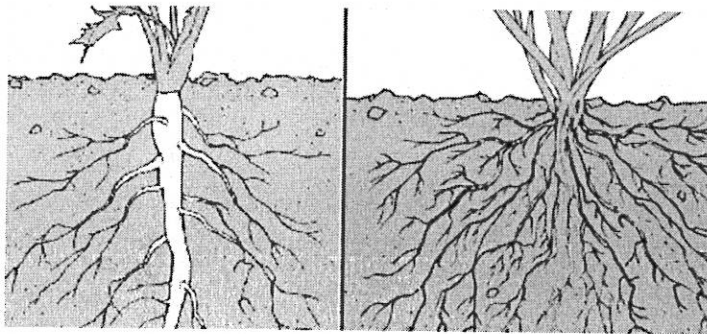
- (a) Blue worm (b) Round worm (c) Hook worm (d) Red worm

Q8. Green bins are used for collecting garbage of

- (a) Kitchen (b) Animals (c) Plastics (d) Both a & b

SECTION -B

Q9. Look at the diagram and answer any four questions.



Picture-1

Picture-2

(i) What kind of root is shown in picture-2 ?

- (a) Fibrous (b) Tap (c) Stored (d) Lateral

(ii) What helps upward movement of water to reach to the other parts?

- (a) Stem (b) Roots (c) Leaf (d) Flower

(iii) The branches that come out of the main root in picture-1 are called

- (a) Prop roots (b) Lateral roots (c) Tendrils (d) Venation

(iv) Plants get _____ through the roots.

- (a) Glucose (b) Water, minerals (c) Chlorophyll (d) Carbon dioxide

(v) Which of these is not a function of roots related to the soil?

- (a) Fix the plant (b) Prevent erosion (c) Absorb sunlight (d) Provide nutrition

Q10. Read the following paragraph and answer any four questions.

When a magnet is dipped in iron filings, they cling to the end of the magnet as the attraction is maximum at the ends of the magnet. These ends are known as poles of the magnets. Magnetic poles always exist in pairs. Like poles repel while unlike poles attract. **Permanent magnets** are magnets that retain their magnetism once magnetized. **Temporary magnets** are material magnets that perform like permanent magnets in the presence of a magnetic field, but lose magnetism when not in a magnetic field. Electromagnets are wound coils of wire that function as magnets when an electrical current is passed through. Magnets should be kept away from electronic gadgets.

(i) Basically how many types of magnets are there?

- (a) Three (b) Five (c) six (d) Two

(ii) Magnets lose their properties when they are

- (a) Cooled (b) Heated (c) Joined (d) Separated

(iii) Magnets should be kept away from

- (a) Compass (b) Television (c) Needle (d) Iron filings

(iv) Temporary magnets do not work when they are not in a

- (a) Iron bar (b) Magnetic field (c) Compass (d) Pole

(v) Which of these is not a property of magnets?

- (a) Poles exist in pairs (b) Like poles repel (c) Unlike poles attract (d) All of these

SECTION -C

Q11. A statement of Assertion is given by the corresponding statement of Reason. Choose the correct answer.

(i) **Assertion** – A habitat is the place where a particular kind of organisms live.

Reason – Organisms develop some features to adapt themselves in a particular habitat to live in.

(a) Assertion and reason both are correct and reason is correct explanation for assertion.

(b) Assertion and reason both are correct and reason is not correct explanation for assertion.

(c) Assertion is correct but reason is wrong statement.

(d) Assertion is wrong but reason is correct statement.

(ii) Assertion – Living beings produce more of their own kinds through reproduction.

Reason – Only animals reproduce their own kind plants can not reproduce.

(a) Assertion and reason both are correct and reason is correct explanation for assertion.

(b) Assertion and reason both are correct and reason is not correct explanation for assertion.

(c) Assertion is correct but reason is wrong statement.

(d) Assertion is wrong but reason is correct statement.

(iii) Assertion – The plants, animals, micro-organism together constitute biotic components.

Reason – Rocks, soil, air, water, light and temperature are abiotic components.

(a) Assertion and reason both are correct and reason is correct explanation for assertion.

(b) Assertion and reason both are correct and reason is not correct explanation for assertion.

(c) Assertion is correct but reason is wrong statement

(d) Assertion is wrong but reason is correct statement.

(iv) Assertion – Plants use carbon dioxide to produce food and give out oxygen.

Reason – The amount of oxygen released in the process of food preparation by plants is much more than the oxygen they use in respiration.

(a) Assertion and reason both are correct and reason is correct explanation for assertion.

(b) Assertion and reason both are correct and reason is not correct explanation for assertion.

(c) Assertion is correct but reason is wrong statement

(d) Assertion is wrong but reason is correct statement.

SECTION -D

Q12. Write two changes that are irreversible.

Q13. Define (i) Cartilage (ii) Skeletal system

Q14. Explain any two types of joints.

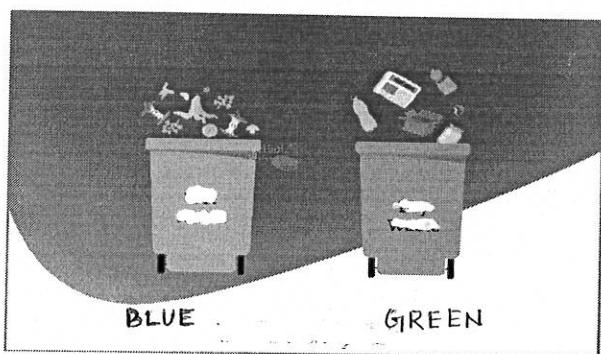
Q15. Write two uses of nitrogen gas.

Q16. How will you show that air is dissolved in water?

Q17. It is better to use compost instead of chemical fertilizers. Why?

Q18. Write two ways what you can do to follow "NO PLASTIC".

Q19.



Write the use of these two bins separately.

Q20. What can we do to deal with garbage (any two ways)?

SECTION -E

Q21. Add a few salt in a glass of water and stir it. What kind of change is it? Can it be reversed back? Explain your answer.

Q22. Write three examples of slow and fast changes each.

OR

Write three differences between physical and chemical changes with examples.

Q23. How does a bird fly? Draw and explain.

Q24. Write any three uses of a magnet.

Q25. Draw ribcage and explain it.

Q26. What is a switch? How does it work to on/off electric appliances?

OR

Differentiate between conductors and insulators. Why are handles of pliers covered with plastics?

Q27. How is a compass used to find directions?

Q28. Write three uses of air in our lives.

OR

What is air made up of? Explain any two of them.

Q29. Plants and animals depend upon each other for exchange of oxygen and carbon dioxide.

Explain.

SECTION -F

Q30. Draw and label a flower with its male and female parts.

OR

What are the types of plants? Explain any three of them.

Q31. Describe any five characteristics of living organisms in details.

OR

Explain any five.

(i) Abiotic components

(ii) Habitat

(iii) Predators

(iv) Adaptation

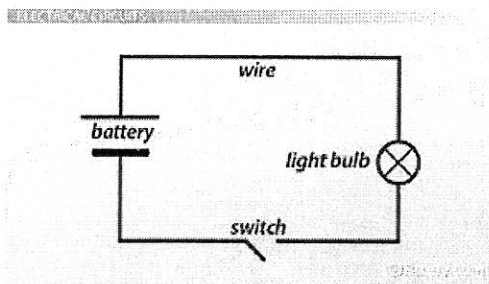
(v) Grassland

(vi) Desert

Q32. Draw and label "inside view of a torch".

OR

(i) Look at the condition. Does the bulb glow? Explain your answer.



(ii) Draw a bulb and show its terminals and filament.