

# CBSE Sample Paper Class 6 Science

SUBJECT: SCIENCE  
CLASS : VI

MAX. MARKS : 80  
DURATION : 2½ HRS

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## General Instructions:

- (i). All questions are compulsory.
  - (ii). This question paper contains 30 questions divided into four Sections A, B, C and D.
  - (iii). **Section A** comprises 10 Fill in the Blanks Questions and 10 Multiple Choice Questions, each of 1 mark. **Section B** comprises of 8 questions of 2 marks each. **Section C** comprises of 8 questions of 3 marks each and **Section D** comprises of 4 questions of 5 marks each.
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## SECTION – A (1 mark each)

### FILL IN THE BLANKS: (10 MARKS)

1. Dolphins and whales have \_\_\_\_\_ to breathe.
2. Rotation of earth around the sun is \_\_\_\_\_ motion.
3. All bodies which emit light energy by themselves are called \_\_\_\_\_ bodies.
4. The path along which the light travels in a given direction is called a \_\_\_\_\_ of light.
5. Direction of electric current in the circuit is from \_\_\_\_\_ to \_\_\_\_\_ terminal.
6. Brightness of a bulb depends on the power of bulb and the \_\_\_\_\_ flowing through it.
7. Natural magnet is known as \_\_\_\_\_.
8. \_\_\_\_\_ is the process of conversion of water vapour into water on cooling .
9. \_\_\_\_\_ air is used in tyres of vehicles.
10. The process of breakdown of complex substances into simpler substances is called \_\_\_\_\_.

### MULTIPLE CHOICE QUESTIONS: (10 marks)

11. Buoyancy in aquatic plants is due to  
(a) Water            (b) Air in their body            (c) Light            (d) Temperature
12. \_\_\_\_\_ are the respiratory organs in fishes.  
(a) Lungs            (b) Scales            (c) Moist skin            (d) Gills
13. The motion of the drawer of table is \_\_\_\_\_ .  
(a) Periodic motion            (b) Translatory motion  
(c) Circular motion            (d) Random motion
14. An inverted and diminished image is observed through a  
(a) mirror            (b) pinhole camera            (c) both (i) & (ii)            (d) none of these

15. Which of the following converts chemical energy into electrical energy ?  
(a) A switch                      (b) Dry cell                      (c) Electrical iron                      (d) A bulb
16. Soft iron pieces placed across the ends of bar magnets when stored are called magnetic  
(a) compass                      (b) keepers                      (c) preservers                      (d) poles
17. The two ends of a bar magnet are called the \_\_\_\_\_.  
(a) Points                      (b) Roads                      (c) Poles                      (d) Ends
18. Water covers  
(a) 70% of earth's surface                      (b) 25% of earth's surface  
(c) 50% of earth's surface                      (d) 90% of earth's surface
19. The device used to measure the speed of wind is  
(a) barometer                      (b) anemometer                      (c) windmill                      (d) pin-wheel
20. \_\_\_\_\_ is known as farmer's friend.  
(a) Dog                      (b) Earthworm                      (c) Bull                      (d) Cow

**SECTION – B (2 marks each)**

21. What are the main characteristics of the living things?
22. What is parallax error?
23. Why are shadows black in colour?
24. What is water cycle?
25. What is the need of water conservation?
26. Why do the policemen on the traffic signal wear a mask?
27. What do you understand by the 3 R's?
28. How are magnetic materials different from non-magnetic materials ?

**SECTION – C (3 marks each)**

29. Differentiate between:  
(a) Root system and shoot system.  
(b) Tap roots and fibrous roots.  
(c) Herbs and trees.
30. What is the difference between open and closed circuit ?
31. What are man-made magnets ?
32. What is wind? Write its two uses.
33. What is vermicomposting? How is it done?
34. How has cactus modified itself to live in a desert?
35. Why could you not use an elastic measuring tape to measure distance?

36. Briefly describe transparent, translucent and opaque objects by giving suitable examples of each.

**SECTION – D (5 marks each)**

37. How is a landfill site prepared? What happens to it once it is completely full?

38. Show by an activity that water is essential for plant growth.

39. Draw the structure of leaf and label its different parts.

40. What may happen if :

(i) A fish is taken out of water and placed on land.

(ii) A lotus plant is removed from water and planted on land.

(iii) Insect living in soil, placed in a pond.

(iv) Mango sapling is planted under water.

