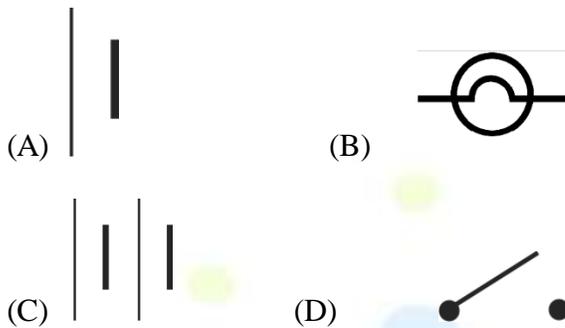
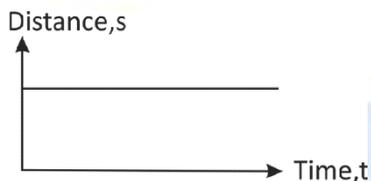


1. Which one of the following is the symbol of an electric bulb?



2. Look at the following graph:



The above graph shows that the object is at/in:

- A) Rest
- B) Motion
- C) Uniform motion
- D) Uniform acceleration

3. A clinical thermometer has kink in its tube. What function does it perform?

- A) It prevents mercury from coming out of bulb
- B) It prevents back flow of mercury into the bulb
- C) It helps in connecting the mercury tube with the bulb
- D) All of these

4. In the autotrophic mode of nutrition:

- A) food is prepared from simple inorganic substances by the process of photosynthesis
- B) food is obtained from dead and decaying organic substances
- C) food is obtained from green plants
- D) food is obtained from the host

5. Name the blood cells which carry oxygen in our body.

- A) RBC
- B) WBC
- C) Blood platelets
- D) Antigen

6. Which one of the following statements is correct?

**Statement A:** The higher the electrical resistance of a material, the greater is the heat produced when current passes through it.

**Statement B:** The higher the electrical resistance of a material, the lower is the heat produced when current passes through it.

- A) Statement (A) is true
- B) Statement (B) is true
- C) Both statement (A) and (B) are true
- D) Both statement (A) and (B) are false

7. In the following table, few activities are given:

Number	Activity
1.	Melting of ice
2.	Decomposition of leaves
3.	Burning of wood
4.	Evaporation of water
5.	Digestion of food
6.	Spoiling of food
7.	Painting of wooden box

Which of the preceding activities involve chemical change?

- A) Activities 1,2,3,5
- B) Activities 2,3,4,5
- C) Activities 2,3,4,6
- D) Activities 2,3,5,6

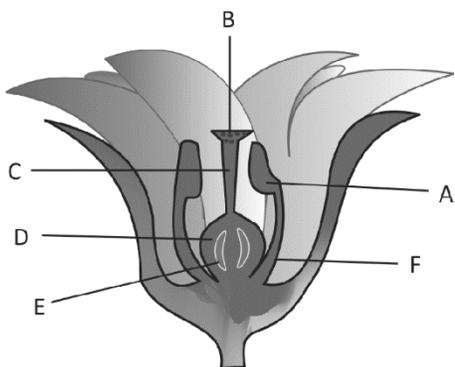
8. An atom gets charged due to:

- A) Transfer of proton
- B) Transfer of neutron
- C) Transfer of electron
- D) Transfer of nucleus

9. If a ball is thrown vertically upwards in the moving train, what will happen?

- A) Ball returns to the thrower
- B) Ball does not return to the thrower
- C) Ball moves in the direction of train
- D) Ball moves in opposite direction of train

10. Name the part of the flower, which has been represented by the letter A.



11. Which one of the following is the correct order of structural organization of an organism?

- A) Cells  Organs  Tissues  Organ systems  Organisms
- B) Cells  Tissues  Organs  Organ systems  Organisms
- C) Organs  Tissues  Organ systems  Organisms  Cells
- D) Cells  Organs  Organ systems  Tissues  Organisms

12. Name the cell which has been shown in the following figure.



- A) Muscle cell
- B) Nerve cell
- C) Bone cell
- D) White blood cell

13. Which one of the following is not a member of our solar system?

- A) Pluto
- B) Moon
- C) Halley comet
- D) Orion constellation

14. In which one of the following options, the various stages in the development of a silk moth, has been correctly arranged?

- A) Egg  Pupa  Caterpillar  Silk moth
- B) Egg  Caterpillar  Pupa  Silk moth
- C) Egg  Silk moth  Pupa  Caterpillar
- D) Egg  Silk moth  Caterpillar  Pupa

15. The disease 'chickenpox' is caused by which one of the following microorganisms?

- A) Bacteria
- B) Virus
- C) Protozoa
- D) Fungi

16. Match the following:

- |                     |             |
|---------------------|-------------|
| 1. Solid metal      | A. Sodium   |
| 2. Solid nonmetal   | B. Bromine  |
| 3. Gaseous nonmetal | C. Chlorine |
| 4. Liquid nonmetal  | D. Sulfur   |

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

17. Here is a list of substances. Group them as metals and nonmetals. Cadmium, hydrogen, Sulphur, lead, magnesium, radium, carbon.

- A) **Metals:** Cadmium, sulphur, radium. **Nonmetals:** Hydrogen, lead, magnesium, carbon
- B) **Metals:** Cadmium, sulphur, radium, carbon. **Nonmetals:** Hydrogen, lead, magnesium.
- C) **Metals:** Cadmium, magnesium, lead, radium. **Nonmetals:** Hydrogen, carbon, Sulphur
- D) **Metals:** Cadmium, sulphur, radium, lead **Nonmetals:** Hydrogen, magnesium, carbon

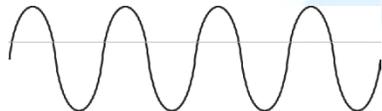
18. Given below is a list of substances and its density:

Substance	Density
Water	1.0 g/mL
Oil	0.80 g/mL
AB	0.88 g/mL
Mercury	8.6 g/mL

A student fills all the above substances into a graduated cylinder. Where the AB will appear after filling all substances in the graduated cylinder?

- A) AB will appear between Oil and Water in the graduated cylinder  
 B) AB will appear between mercury and Water in the graduated cylinder  
 C) AB will appear just below the water in the graduated cylinder  
 D) AB will appear just above the mercury in the graduated cylinder

**19. In which one of the following cases loudness of the sound will be maximum?**

- (A) 
- (B) 
- (C) 
- (D) 

**20. Which one of the following microorganisms is an example of algae?**

- A) Lactobacillus  
 B) Rhizobium  
 C) Chlamydomonas  
 D) Entamoeba

**21. What is the name of the colored part of the eye?**

**ANSWER:**

**22. What is the name of the part at the back of the eye that acts like an image sensor?**

**ANSWER:**

**23. What is the name of the tool that magnifies small objects?**

**ANSWER:**

**24. What is the name of the tool that is used to see around corners or on submarines?**

**ANSWER:**

**25. The litmus paper is produced from .....**

**ANSWER:**