

## Chapter-5

### Worksheet-1

1. Platelets play major role in blood \_\_\_\_\_.
2. \_\_\_\_\_ is fluid connective tissue that flows in blood vessels.
3. The movement of water molecules from their high concentration to their low concentration through a semi-permeable membrane is called \_\_\_\_\_.
4. Animals like snakes excrete semi-solid white coloured compound called \_\_\_\_\_.
5. In a tall tree, which force is responsible for pulling water and minerals from the soil?
  - (a) Gravitational force
  - (b) Transportation force
  - (c) Conduction force
  - (d) Suction force
6. Aquatic animals like fish excrete their wastes in gaseous form as
  - (a) Oxygen
  - (b) Hydrogen
  - (c) Ammonia
  - (d) Nitrogen
7. The filtration of blood is done by
  - (a) heart

- (b) kidney
- (c) blood
- (d) urethra

8. The absorption of nutrients and exchange of respiratory gases between blood and tissues takes place in
- (a) veins
  - (b) arteries
  - (c) heart
  - (d) capillaries
9. Name the organ which is located in the chest cavity with its lower tip slightly tilted towards the left.
10. RBC contains a red coloured pigment which carries oxygen with it. What is the pigment called?
11. Give reasons:
- (i) Valves are present in veins.
  - (ii) Arteries have thick & elastic muscular wall.
12. Circulatory system consists of three major organs. Name those organs.
13. Veins have valves which allow blood to flow only in one direction. Arteries do not have valves. Yet the blood flows in one direction only. Can you explain why?
14. (a) Name the only artery that carries carbon dioxide rich blood.  
(b) Why is it called an artery if it does not carry oxygen-rich blood?

15. Observe given figure and answer the given question.



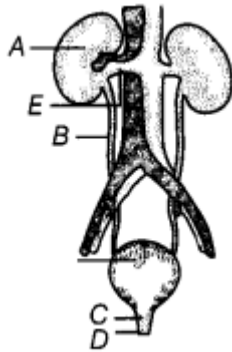
- (a) Name the instrument.
- (b) Label the parts A, B and C.

16. Give one function of each of the following organs,

- (a) Blood platelets
- (b) Heart

17. How does the water move from root to leaves?

18. The given diagram is of human excretory system. Label the marked parts of it.



19. What is the special feature present in a human heart which does not allow mixing of blood when oxygen-rich and carbon dioxide-rich blood reach the heart?

20. Draw a schematic diagram of double circulation.