



Chapter-11

Transportation in Animals and Plants

NOTES:

- The heart and blood vessels transport substances and together form the circulatory system.
- Blood is composed of a fluid called plasma in which different types of cells are suspended.
- The components of blood are Plasma, R.B.C, W.B.C and Platelets.
- Two types of blood vessels are present in our body. They are arteries and veins.
- Arteries carry oxygen-rich blood from the heart to all parts of the body.
- Veins carry carbon-dioxide rich blood from all parts of the body back to the heart.
- A resting person usually has a pulse rate between 72 to 80 beats per minute.
- The heart is located in the chest cavity with its lower tips slightly tilted towards the left.
- The heart has four chambers to avoid mixing up of blood rich in oxygen with the blood rich in carbon-dioxide.
- The removal of wastes produced in the cells of the living organisms is called excretion.
- The excretory system consists of kidneys, ureters, urinary bladder and urethra.
- Plants take water and minerals through the roots.

- Transportation of water and nutrients in plants is done by xylem.
- Transportation of food from leaves to other parts of plant is done by phloem.
- The utilized water by the plants evaporates through the stomata present on the surface of the leaves by a process called transpiration.



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