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**Chapter 11**

**Transportation in Animals and Plants**

**1. What is plasma?**

Ans. The fluid part of the blood is called plasma.

**2. There are how many types of blood cells are there? Name them.**

Ans. Two

* Red Blood Cells
* White Blood Cells

**3. What is hemoglobin?**

Ans. RBC contains hemoglobin. Hemoglobin is the pigment which gives the red color to blood. It binds with oxygen and transports it to all the parts of the body and ultimately to all the cells.

**4. What is the function of WBCs?**

Ans. They fight against the germs that may enter our body.

**5. What are platelets?**

Ans. The clot is formed because of the presence of another type of cells in the blood, called platelets.

**6. What are arteries?**Ans. These are the blood vessels which carry oxygen-rich blood from the heart to all parts of the boy.

**7. What are veins?**Ans. These are also the blood vessels which carry blood from all parts of the body back to the heart.

**8. What are atria and ventricles?**

Ans. The two upper chambers of the heart are called atria and the two lower chambers are called ventricles.

**9. Name the instrument used by the doctor to sense the heartbeat of the patient.**

Ans. Stethoscope

**10. What is heart rate?**

Ans. The human heart beats about 70-80 times per minute in an adult person. This is called heart rate.

**11. Define the term excretion?**

Ans. The process of removal of wastes produced in the cells of the living organisms is called excretion.

**12. Mention the organs which come under excretory system.**

Ans. Excretory system of humans consists of two kidneys, two ureters, a urinary bladder and urethra.

**13. What is dialysis?**

Ans. The process of filtration of blood periodically through an artificial kidney is known as dialysis.

**14. What is xylem?**

Ans. Nutrients are transported along with water to the entire plant via the vascular tissue called xylem.

**15. What is phloem?**

Ans. The vascular tissue for the transport of food to the various parts of the plant is phloem.