

HW  
6/7/21

1. Differentiate between artery and veins.

ans:- Artery

→ It carries oxygenated blood from heart to other body parts (except pulmonary artery).

→ Pressure is too high in the arteries.

→ Valves are absent.

→ Smaller lumen.

→ Thick walls.

→ Are present deep under the skin.

Veins

→ It carries deoxygenated blood from body part to heart (except pulmonary veins).

→ It is comparatively low.

→ Valves are present to prevent backflow of impure blood.

→ Larger lumen.

→ Thin walls.

→ Can be seen with naked eyes.

2. What is guttation?

ans:- Guttation is the loss of water from hydathodes on leaf margins of vascular plants.

3. Why is guttation considered to be harmful to plants if it occurs regularly?

ans: Frequent occurrence of guttation results in excessive loss of water, which makes the plant dehydrated and minerals get accumulated, and damage the leaf cells.

4. Give 2 examples each — a) latex b) alkaloids.  
ans: — a) latex — rubber gloves, tires.  
b) Alkaloids — caffeine, morphine.

5. How does lymph help in providing immunity to our body?

ans: Lymphatic system is a part of the immune system. Lymph fluid contains WBCs (white blood cells) which produces antibodies to build immunity against any disease.

Intext Question (pg-112)

2. What are the methods used by plants to get rid of excretory products?

ans: → They release  $O_2$  during photosynthesis.  
→ They get rid of excess water through transpiration.  
→ They shed their dead leaves.  
→ Waste stored in cell-vacuoles are released in the form of