

HW
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Ch:2

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CONTROL AND COORDINATION

HOME ASSIGNMENT

1. Differentiate between arteries and veins.

Ans-

Arteries

Veins

- * Blood vessel that transport blood away from heart.
- * Also called as "Red Blood vessels"
- * usually positioned deeper in body.
- * CO_2 level is low in arterial blood.
- * Oxygen level is high in arterial blood.

- * Blood vessel that transport blood to the heart for oxygenation.
- * Also called as "Blue Blood vessels"
- * usually positioned closer to the surface skin.
- * CO_2 level is high in venous blood.
- * Oxygen level is low in venous blood.

2. What is guttation ?

Ans-

Guttation is the process of secretion of water droplets from the pores of plants. Effects of root pressure is observed at night and early morning when evaporation is low,

excess water collects in the form of droplets around special openings of veins near the tip of grass blades, and leaves of many herbaceous plants. Such water loss in its liquid phase is known as guttation.

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

Ans- Guttation is considered to be harmful to plants if occurs regularly because it causes loss of cell sap

3. Give two examples each:

a) Latex - mulberry family (moraceae)
milkweed family (Asclepiadaceae)

b) Alkaloids - Morphine (papaver somiferum)
Nicotine (Nicotina. tabacum)

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

Ans- The lymphatic system plays an important role in providing immune responses to harmful microorganisms and toxins that enter the body. It produces and releases lymphocytes and other immune cells that monitor and then destroy the foreign invaders that may enter your body.

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