

ASSIGNMENT

1- (Artery)

(i) They carry blood from heart to various body parts.

(ii) ~~Artery~~ Arteries carry oxygenated blood (except for Pulmonary artery)

(iii) Blood flows with high ~~pressure~~ speed under high pressure.

(Vein)

(i) Veins carry blood from different body parts to heart.

(ii) Veins carry deoxygenated blood ~~except~~ (except for Pulmonary vein)

(iii) Blood flows with low speed under low pressure.

2- Guttation is a biological process that includes water loss in form of droplets (huge amount in case of plants) which is generally caused by high root pressure. Ex - Grass.

It happens in some vascular plants, where high root pressure push-out xylem sap off the ~~the~~ xylem and the leaf in the form of droplets.

3. Transpiration and Guttation both seem to have the similarity of water loss from plants (aerial parts like leaves) but guttation seems harmful as it refers to the exudation of water in direct form thus loss of a huge amount (in case of plants) but transpiration can be considered plant-urination where the excess water is removed in form of vapours. Thus guttation is harmful whereas transpiration is not harmful to plants.

Alkaloids

4.

~~Alkaloids~~ : Caffeine, Morphine, Quinine, etc.

~~Alkaloids~~ : Viscous ~~is~~ fluid exuded by Rubber tree and Dandelion.

Latex

5) Lymphatic vessels are the networks of capillaries (microvessels) and a large network of tubes located throughout the body.

These nodes ~~form~~ also formulate the lymphatic system. They filter out cancer cells. The lymphatic system is part of the immune system. It produces and releases lymphocytes (WBCs) ~~which~~ and other immune cells to fight out all the disease causing pathogens.