

Home Assignment

1) Differentiate between Artery and vein.

Arteries

veins

i) They carry blood from the heart to different parts of the body.

i) They carry blood from ~~the~~ different parts of the body to the heart.

ii) They carry oxygenated blood except the pulmonary arteries.

ii) They carry deoxygenated blood except the pulmonary veins.

iii) CO₂ level is low in arterial blood.

iii) CO₂ level is high in venous blood.

iv) Oxygen level is high in arterial blood.

iv) Oxygen level is low in venous blood.

Q) What is guttation?
Guttation is the loss of exudate in the form of exudate droplets by plants from the pores on the leaf from the

margins of their leaves, through special pores called hydathodes.

③

Why is guttation considered to be harmful to plants

if occurs regularly?

ans. Guttation is considered to be harmful to plants if occurs regularly because it creates fungus on plants. It can allow harmful microorganisms to infect the plants. In some cases, the mineral content of the guttation fluid can burn the tips of the leaves.

- Q Give two examples each of
- (a) latex
 - (b) alkaloids

(a) latex - Hevea, Mistle

(b) Alkaloids - Papaverine, Arginine

Q How does lymph help in providing immunity system to our body?
Ans - The lymphatic system is a part of immune system. It produces and releases lymphocytes (white blood cells) and other immune cells that monitor and then destroy the foreign invaders - such as bacteria, viruses, fungi and etc. that may enter to our body.