

HU
1/7/21

1. Discuss the advantages and disadvantages of a closed circulatory system.

2. The digestive system of human is intermediate between that of strict carnivores and that of strict herbivores. How might you expect your digestive system to be different if we had fed ~~to~~ exclusively on plant tissues throughout our evolutionary history?

3. Explain why we ~~to~~ become warm during exercise and explain the usefulness of shivering when it is ~~to~~ cold.

4. State True or False.

a. The loss of water vapor by a plant is called

transpiration. True.

b. Translocation is the transportation of the products of photosynthesis. True.

c. Stretching of inner walls of guard cells, opens the stomata. True.

d. Bowman's capsule is found in heart. False.

Answers

1. ans: Advantage

Disadvantage

→ Blood transfers at a faster rate and each tissue gets a regulated amount of nutrients.

→ It is a complex system.

→ Provides more power in form of pressure.

→ It requires more energy.

→ It has a separate lymphatic system.

2. ans: ~~Our~~ Our digestive system would have functioned in a similar way as of the herbivores. Our ~~small~~ large intestines would have been a little longer and appendix would actively work in digestion of fibres. Since meat contains protein.

3. ans: During exercise breathing rate increases, more oxygen gets into our body which results in increase of respiration. Increase respiration rate results in more ATP production which results

in increase in body temp. Shivering in winter helps in increasing body temp. to keep our selves warm.