

HOME ASSIGNMENTS

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

Advantage

- It is efficient in delivering oxygen throughout an organism.
- It provides more power in the form of pressure.
- It has a lymphatic system that works separately.

Disadvantage

- It is more complex than open circulatory system.
- It requires more energy for blood distribution.

2. The digestive system of humans is intermediate between that of strict carnivores and that

of strict herbivores. How might your expect your system to be different if we had fed exclusively on plant tissues throughout our evolutionary history?

Humans cannot digest the monosaccharide bonds of cellulose ~~present~~ present in the plant. If humans had fed exclusively on plant tissues, the digestive system should have had certain enzymes that ^{could} digest ~~cellulose~~ the cellulose present in plant

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

- When we do exercise heat is generated by burning ~~the~~ energy in the ~~reverse~~ form of ATP. So, we become warm during exercise.

- ~~When~~ when it is cold, the body to maintain its temp. starts shivering. Shivering generates heat ~~by contracting~~ by moving the muscles of our body really fast.

4. True / False

a) True

b) True

c) True

d) true

e) False