

Homework

1. Discuss the advantages ^{& ds advantages} of closed circulatory system.

Advantages → • It is efficient in deliver
-ring oxygen throughout
an organism

• It provides more pressure

in the form of pressure

- It has a lymphatic system that works separately
- Disadvantages • It is more complex than the open circulatory system
- It requires more energy for blood distribution

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

If we had exclusively on plant tissue throughout our evolutionary history then our guts will be longer and we will also have cellulose digesting enzymes.

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

- Body heat is increased with exercise because our body becomes active and our heart rate increases and blood flow increases and our body becomes warm.
- When we get cold we shiver because shivers cause our muscles to tighten and relax in rapid succession. This involuntary muscle movement is our body's response to getting colder and trying to warm up.

4. a) True b) True c) True d) True
e) False