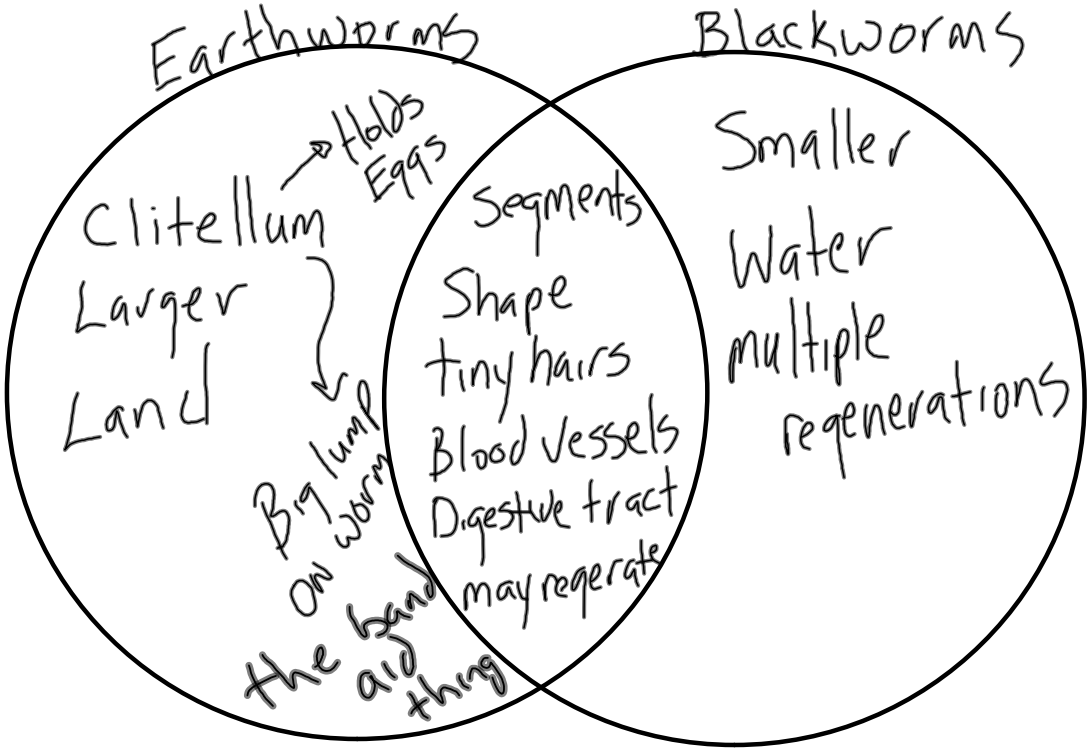
A. Compare and contrast Blackworms and Earthworms



B. Why is one end of some of the blackworms lighter than the other?

The lighter end is the newly regenerated segments.

C. Why do blackworms make some of their unusual movements?

Defense mechanism

D. What do you think would happen if we had measured the pulse rate of the blackworm at different points on its body?

The pulse rate is different at different points on its body. Near the posterior (back) it is greater, while near the anterior it decreases and is very faint.

E. If you measured your pulse, would you expect to see the same pattern?

Our pulse starts with the beating of our heart and is stronger the closer you are to the heart. The farther away from the heart that you measure your pulse, the fainter it becomes. (why you are taught to check pulse at the neck, not the wrist)

F. What evidence do you have to support Lisa's statement: "Blackworms have a more complex way of moving food through their bodies than other small organisms"

You saw blood circulating through the blackworm's blood vessels.
What is the function of blood? To carry nutrients, oxygen, and waste from the cells of the body.

Compared to our circulatory system, the blackworm's is very simple. But, compared to smaller organisms without blood circulation it is more complex.

Attachments

Table 8.1 adaptation.doc

Observation_Inference_8th[1].ppt