

Ch 30 Review - Comparing Invertebrates

1. What is a phylogentic tree?
2. Know which organisms are on which branches.
3. What are the 3 branches of the phylogentic tree that involve the presence of a body cavity?
4. What are the two braches that are based on early development of the embryo?
5. What three features are distinctive on the protosomes and deuterstomes?
6. Draw and label the acoelomate, pseudocoelomate and coelomate body plans.
7. How does the presence of mesoderm affect the development with the coelom?
8. Draw and label the three types of skeleton.
9. What are the three trends in how digestion evolved?
10. What are the three trends in how circulation eveloved?
11. What are the different types of respiration that have evolved, used by which animals?
12. What are the different organs of excretion that have evolved?
13. What different forms of nitrogenous wastes are produced and how does it relate to the environment of the animal?
14. What are the three trends in nervous systems?
15. Describe these three trends.
16. How does asexual or sexual reproduction evolve?
17. How does fertilization technique evolve?
18. How does parental care evolve?