

Study Questions for 4/29 Lecture

1. Draw the phylogeny of animals, including the 9 phyla we discussed and map on the key innovations (adaptations)
2. How are all animals similar in their early embryonic development?
3. What is a body cavity? A coelom? Which of the phyla have a coelom, which have a pseudocoelom, and which have no body cavity?
4. What are some hypotheses for why insects are so diverse?
5. How does global warming affect coral reefs?
6. How can annelids be medically useful to humans?
7. I have 8 jointed legs and an exoskeleton; what phylum do I belong to? Within that phylum, what major group of organisms do I belong to?
8. What are humans more closely related to, sea cucumbers or earthworms?