**Ch. 32: Overview of Animal Diversity**

1. Identify three features that characterize all animals and three that characterize only some types of animals.
2. Differentiate between a pseudocoelom and a coelom.
3. Explain the difference tetween protostomes and dueterostomes.
4. Describe the advantages of segmentation.
5. List the major criteria scientists have used to distinguish animal phyla.
6. Distinguish between spiralioan and ecdysozoan organisms.
7. Identify the placement of humans among the animal phyla.
8. Explain the colonial flagellate hypothesis of metazoan origin and why it is now favored.
9. Describe the possible role of Hox genes in the Cambrian explosion.

