Chapter 40 Animal Form and Function

1. Compare and contrast the way in which an ameba and a whale exchange material with their environment.
2. What is interstitial fluid?
3. Identify the four types of tissues, give an example and function of each.
4. Under what temperature conditions would a jackrabbit flatten its ears against its body? Explain.
5. Distinguish a regulator and a conformer. Which one would an ectotherm be?
6. Compare and contrast a positive and negative feedback system.
7. Explain what is meant by the counter current exchange? How does this reduce heat loss in birds and mammals?
8. If a mouse and a small lizard of the same mass (both at rest) were placed in experimental chambers under identical environmental conditions, which animal would consume oxygen at a higher rate? Explain.
9. Which animal must eat a larger proportion of its weight in food each day: a house cat or an African lion caged in a zoo? Explain.