

REFERENCES: CHAPTER 1 -- Pages 2 -10

DISCUSSION:

1. Animal and plant "strategies" for surviving winter can be grouped into three classes according to Marchand. What are they?
a. _____ b. _____ c. _____
2. Which of the three represent(s) *avoidance*? _____
Which is/are *confrontational*? _____
In what sense are all three "strategies" confrontational?
3. For what reasons is *migration* less than a "bargain trip to the sunny south" to migrating animals?
4. What benefits does hibernation offer to homeotherms?
5. How do many amphibians and reptiles survive winter and avoid extreme cold?
6. If you were to measure *patterns of body temperature* among all animals that practice *resistance* as a winter strategy, into what two general groups would all of them fall?
a. _____ b. _____
7. List two mechanisms by which animals survive when body tissues drop below freezing.
a. _____ b. _____
8. How does mammal height and *foot loading* influence fitness in snow? [See *Ecology* article.]