

**THE CAVE AND SPECIATION - - - - questions for review and discussion.**

1. Why were the fish living in the cave described as "extremely specialized"?
2. Name a "compensatory trait" possessed by any one of the animals living in the cave.
3. Why were the fish in the cave examples of "regressive evolution"?
4. What physical factor must be present before one species (with one genepool) could undergo speciation and form two species?
5. Were there more mutations for blindness among the animals living in the cave compared to those in a lake? Explain.
6. Why would you say that all men living on the earth today belong to the same species?

7. What would you know about the mule's parents if you knew he was a sterile hybrid?
8. Give 4 examples of physical barriers. Name a biological barrier.
9. How are mutations related to speciation?
10. Explain the flow of energy for some of the flatworms living in a cave.
11. Why would all the plants living in a cave be heterotrophic? What level in a food chain would these plants occupy?
12. What is wrong with this statement: If you don't need or use a structure, you will lose it and, in time, a population will be produced which lacks the structure?