

## 7<sup>th</sup> Grade Science      Book B Animals

**Chapter Three:** Fishes, Amphibians, and Reptiles

**Section One:** Fishes: The First Vertebrates (pg 60-67)

For each word listed below, write the word on a piece of notebook paper, underline or highlight the word and then write the definition after the word. (Students are encouraged to take the definition from the actual text because that is the definition that will be used on quizzes and tests).

vertebrates      vertebrae      cartilage      endotherms  
ectotherms      fins      scales      lateral line  
gill      external fertilization  
internal fertilization      cartilaginous fishes  
swim bladder      ray-finned fishes  
lobe-finned fishes

Answer each of the following questions on a piece of notebook paper, in a complete sentence, restating the question in your answer. Failure to follow these rules will result in the student having to rewrite the assignment to earn their points.

1. In what two ways are vertebrates different from lancelets and tunicates?
2. What are the jobs of the vertebrae?
3. Why are some animals called warm blooded?
4. Contrast external and internal fertilization.
5. What are the three classes of fish living today?
6. Explain two reasons why sharks must continuously swim.
7. Give four examples of bony fish.
8. Of all fish, how many are bony fish?
9. How could moving a fishbowl from a cold window sill to a warmer part of the house affect a pet fish?