**CH. 3: COMMUNITIES, BIOMES, AND ECOSYSTEMS RFC # 1**

* Read the following questions, **then** read from THEME FOCUS (p 59) to Ecological Succession (p62), **then** answer the following questions on your own paper in **COMPLETE SENTENCES**
  1. What is the THEME FOCUS of this chapter?
  2. What is the BIG Idea of this chapter?
  3. What is the MAIN Idea of Section 1?
  4. One more time, what is a community?
  5. **Type II Writing**: Using an example, explain how abiotic factors might affect communities.
  6. What is a limiting factor?
  7. List the eight examples of abiotic limiting factors given in the book
  8. What do biotic limiting factors include?
  9. What is tolerance?
  10. Using Figure 2 in your book:
      1. What is the range of tolerance of water temperature for Steelhead Trout?
      2. What is the upper tolerance limit?
      3. What is the lower tolerance limit?
      4. What term is given to water temperatures above the upper and below the lower tolerance limits?
      5. Between what temperatures are the Zones of Physiological Stress?
      6. At approximately what temperature would you expect the greatest number of steelhead to live?
  11. Graph the following data and answer the question that follows.

|  |  |
| --- | --- |
| Temperature (C) | Number of catfish |
| 0 | 0 |
| 5 | 0 |
| 10 | 2 |
| 15 | 15 |
| 20 | 13 |
| 25 | 3 |
| 30 | 0 |
| 35 | 0 |

1. What is the range of tolerance for catfish?