**APES Chapter 2: Energy and Systems**

**Note Taking Focus Questions**

**Directions:** Use the Cornell Method of note taking as you answer the questions below. Your notes must be **hand written** to receive credit for them. Within your notes, use the title for each subsection of notes which is *in italics and underlined.*

**Section 2-3**

1. *Types of Energy:* Define kinetic energy, and give 3 examples.

2. Define potential energy, and give an example.

3. What is the difference between *Renewable and Nonrenewable Energy*? Give a few examples of each.

4. *Some Energy Types are More Useful:* What is meant by energy quality, and what is the difference between high-quality and low-quality energy?

5. Explain the *Two Laws That Govern Energy Changes.*

6. Explain why those laws mean that we can never recycle or reuse high-quality energy.

**Section 2-4**

1. *Systems and Feedback Loops:* Define and give an example of a system.

2. What is feedback and a feedback loop?

3. What is the difference between a negative and a positive feedback loop?

4. Explain how a time delay can lead an ecosystem to its tipping point.

5. What is the *Synergistic Effect*, and give an example.