**Energy Pyramid Answer KEY**

**Energy Pyramid**

**Food Chain:**

**Grasses → Mice → Snakes → Hawks**

1. Write the names of the organisms in the food chain in the appropriate levels of the energy pyramid above.

2. If the mice ate all of the grasses, how much energy can they receive if 350,000 Calories of energy are contained in the grasses? *35,000 Calories*

3. If all the mice were eaten by the snakes, how much food energy would be available to the snakes? *3,500 Calories*

4. If all the snakes were eaten by the hawks, how much food energy would be available to the hawks? *350 Calories*

5. How much food energy would the hawks use for life processes and lose as heat?

*315 Calories (90 percent of 350)*

6. Why are there always more producers than consumers in a food chain?

*There are always more producers than consumers because consumers only receive a small amount of the energy that the producers store from photosynthesis.*