**Directions**: Answer all parts of the question. Use the diagram of the food web below to answer the following questions.

1. List 3 different food chains of different lengths.
2. Using a food chain with at least 4 organisms, create an energy pyramid with correct labels (types of consumers, producers, etc).
3. Using 1 food chain from above (with 4 organisms), calculate the amount of energy available for each trophic level (see value key)
4. Describe the impact the removal of the frog will have on the entire food web.
5. Describe the 10% rule of energy transfer in a food web.



 **Energy Value Key**

Producers – 10,000 kcal/m2/year

Primary Consumers – ?

Secondary Consumers – ?

Tertiary (higher) consumers – ?