**Energy Flow in Ecosystems -Key Concepts**

* Each organism in an ecosystem fills the energy role of producer, consumer, or decomposer.
* The movement of energy through an ecosystem can be shown in diagrams called food chains and food webs.
* The most energy is available at the producer level of the energy pyramid. As you move up the pyramid, each level has less energy available than the level below.

**Energy Flow in Ecosystems -Key Terms**

Producer -

Consumer -

Herbivore -

Carnivore -

Omnivore -

Scavenger -

Decomposer -

food chain -

food web -

energy pyramid -

**Cycles of Matter - Key Concepts**

* The processes of evaporation, condensation, and precipitation make up the water cycle.
* In ecosystems, the processes by which carbon and oxygen are recycled are linked. Producers, consumers, and decomposers play roles in recycling carbon and oxygen.
* In the nitrogen cycle, nitrogen moves from the air to the soil, into living things, and back into the air.

**Cycles of Matter - Key Terms**

water cycle -

evaporation -

condensation -

precipitation-

nitrogen fixation –

**Write a 2-3 sentence response for each of the following questions.**

Describe how matter and nutrients move through an ecosystem.

Draw a food web with at least 6 organisms and describe what would happen if one of the primary consumers were to suddenly die out.