

STUDY QUESTIONS:

What is energy? (DOK1)

How does energy flow?
(DOK2)

Compare and contrast
producers and consumers. (DOK3)

NOTES:

▪ "Energy refers to the ability to do _____.

What are the 2 energy laws?

2 Laws of Thermodynamics:

- 1. **Energy cannot be** _____ **or** _____.
- 2. **Energy can** be _____ into different types of energy.
- Energy _____ through an ecosystem; it **CANNOT** be _____.

Energy flows from producer to _____.

Producers and Consumers

Producers make their own _____.

_____ means self-feeders. Ex. Plants and some bacteria.

Consumers _____ energy from others. Ex. Herbivores, carnivores, omnivores.

Decomposers feed on _____ and decaying material. Ex. Detritivore, fungi, mushrooms.

Food chains and Food Webs

1. A **food chain** shows _____ transfer between producers and consumers and higher level consumers.

A trophic level is a _____ level. Ex. T1, T2, T3.

2. An _____ pyramid is another way to show the transfer of energy between trophic levels.

▪ **The amount of energy** _____ **as you move up the pyramid.**

▪ Only _____ of the energy is available for the next level.

3. **A** _____ shows the interconnections between food chains.

SUMMARY: