

Ch4: Ecosystem Notes

Energy =

Energy molecule =

_____ \leftrightarrow _____ + _____ + _____

Energy Transfer:

Sun =

Food Chain =

Food Web =

Parts of Food Web or Chain

1. Producers -

2. Consumers -

3 Types:

1) Primary consumers

2) Secondary consumers

3) Tertiary consumers

3. Scavengers –

4. Decomposers –

Energy Flow

Trophic levels –

_____ % of _____ gets transferred to next trophic level

Why?

Ecological Pyramids – diagrams that show each trophic level in an ecosystem

Numbers Pyramid

Biomass Pyramid

Energy Pyramid

Practice Problem

Diagram – make a food web and energy pyramid with organisms found in a meadow: grass, blueberry bush, robin, snake, hawk, frog, grasshopper, mouse, and rabbit

FOOD WEB

ENERGY PYRAMID