Energy and Biomass.

All living things are interdependent and depend on each other for things like food, pollination, shelter, etc. in order to survive and reproduce. For example, bees depend on flowers for nectar (food) and flowers depend on bees for pollination so they can make seeds.

Food Chains and Food Webs.

A food chain shows what eat what. In a habitat food chains can be joined together to form a food web, which shows the feeding relationships between the organisms.

Both food chains and food webs have trophic levels, which show organisms feeding at the same level. For example:

<u>Trophic level 1</u> – organisms at this level are all plants and are called producers.

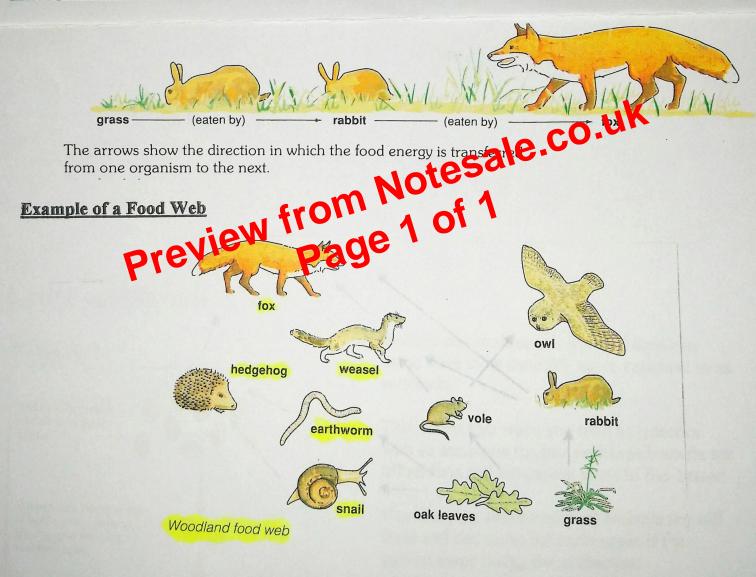
Trophic level 2 – are primary consumers called herbivores that feed on the producers.

Trophic level 3 – are secondary consumers called carnivores that feed on the primary consumers.

Trophic level 4 – are tertiary consumers, also called carnivores that feed on the secondary consumers. Animals at this level are top predators.

If the numbers of one organism changes in a trophic level other organisms are affected, so relationships among the organisms are always changing. This is called a dynamic relationship. The word dynamic means changing.

Example of a Food Chain



survive and reproduce, producing a new colony of resistant bacteria.



spread to other people, they could cause an infection that cannot be treated with that antibiotic. This also applies to the original patient.