

Name _____ Section _____ 4-

Chapter 2---Lesson 1 Study Notes

1.-5. Basic needs of animals

1. _____ right climate _____

2. _____ oxygen _____

3. _____ food _____

4. _____ water _____

5. _____ shelter _____

What makes up an animal's environment? An animal's environment is made up of everything that surrounds and affects an animal including living and nonliving things. All basic needs can be met in an animal's environment.

Do all animals meet their basic needs in the same way?

All animals do **not** meet their basic needs in the same way. Example: Animals in the desert will meet their needs quite differently than a whale in the ocean.

How are the climates of a desert and a tropical rain forest alike and different?

They are alike because they have a warm climate. Both are able to provide animals with what they need to live. The tropical rain forest is a wet climate. The desert is a dry climate.

Where do fish get the oxygen they need?

Fish get the oxygen they need from the water that passes directly over their gills.

Why do animals need food?

Animals need food to provide it with the energy they need to live and grow.

Why do animals need water?

Animals need water to replace the water they lose from their bodies.

What are some examples of shelters found in the natural environment? Some examples of shelters found in the natural environment are hollow trees, under rocks, logs, and leaves.

Where do wild animals get the water they need?

Wild animals get the water they need to drink from ponds, lakes, streams, and puddles. Others get moisture from the food they eat or from body processes.

How does weather affect animals' needs for shelter?

How weather affects an animals need for shelter is that it may need to find shelter from a blizzard, heat, or a storms.

Why would an animal that has only a few young take care of them for months after birth?

An animal that only has a few young take care of them for months after they give birth to help them live (survive) so they can maintain the species. (so they do not become extinct). Without young, a species would soon die off and disappear.

Think about a squirrel, a woodpecker, and a frog around Brighton Township and Beaver. Where would each one find their shelter, food and water?

Squirrel:

food - nuts, seeds, berries from trees, and shrubs

shelter - hollow tree, or a nest in a tree

water - puddles, water in foods, and water in bird baths

Woodpecker:

food - insects in trees and buildings

shelter - hollow in tree

water - puddles, water in foods, bird baths

Frog:

food - insects near water or in grass or trees

shelter - mud of stream bed or pond

water - puddles, streams, ponds, moisture on leaves,

Stages of metamorphosis of a butterfly:

- A. egg
- B. caterpillar (larva)
- C. chrysalis (pupa)
- D. adult butterfly

Almost all insects, invertebrates that live in the water, and amphibians, go through some kind of metamorphosis.

Animals such as birds, fish, reptiles, and mammals do not go through metamorphosis.

Molt - to shed the outer skin. An example would be the fiddler crab, meal worms, and snakes.