Chapter 2 - Lesson 1 Notes How Animals Meet Their Needs

ENVIRONMENT

- -made up of everything that surrounds and affects an animal (including living and nonliving things)
- -meets all of an animal's basic needs

5 Basic Needs of Animals

- 1. RIGHT CLIMATE
- 2. OXYGEN
- 3. FOOD
- 4. WATER
- 5. SHELTER

^{*}All animals have the same BASIC needs - but do not meet these needs in the same way.

1) **CLIMATE** - average temperature and rainfall of an area over many years

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

How are they different?

Similarities and Differences - Climates of Tropical Rain Forest and Desert	Tropical Rain Forest	Desert
Temperature	Warm	Warm
Rainfall	Wet	Dry

- 2) **OXYGEN** one of the many gases in air
- -Many land animals get oxygen by breathing air into their lungs
- -Fish get oxygen from the water that passes through their gills.
- 3) FOOD provides energy to animals to live and grow

omnivore - eats both plants and meat (ex - brown bear)

<u>herbivore</u> - eats only plants (ex - giraffe)

carnivore - eats only meat (ex - chameleon)

- 4) WATER replaces the water animal's lose from their bodies
 - sources of water ponds, lakes, streams, puddles
 - from food and digesting

5) **SHELTER** - a place where an animal is protected from other animals and from the weather

examples of shelters -hollow trees

-under rocks

-logs

-leaves

Animals and Their Young

-All animals need to produce young in order maintain a species

Metamorphosis: process of changing from an egg to an adult

*most insects and amphibians go through metamorphosis

*Birds, fish, reptiles, and mammals do not go through metamorphosis

Stage of metamorphosis of a butterfly:

- 1) egg
- 2) caterpillar (larva)
- 3) chrysalis (pupa)
- 4) adult butterfly