Section 1: Living Things and the Environment

Key Terms:

**Organism**: A Living Thing

**Habitat**: The environment that provides the things the organism needs to live, grow, and reproduce

**Biotic Factor**: The livings parts of a habitat (grass, plants, fruit, seeds, trees, animals)

**Abiotic Factor**: The non-living parts of a habitat (water, sunlight, oxygen, temperature, soil)

**Photosynthesis**: The process in which some organisms use water, sunlight, and carbon dioxide to make food.

**Species**: A group of organisms that are physically similar and can mate and produce offspring that can reproduce.

**Population**: All the members of one species in a particular area

**Community**: All the different populations that live together in an area

**Ecosystem**: The community of organisms that live in a particular area, along with non living surroundings

**Ecology**: The study of how living things interact with each other and with their environment

Section 2: Studying Populations

Key terms:

**Estimate**: An approximation of a number, based on reasonable assumptions

**Birth Rate**: The number of births in a population in a certain amount of time

**Death Rate**: The number of deaths in a population in a certain amount of time

**Immigration**: Moving into a population

**Emigration**: Moving out of a population

**Population Density**: Number of individuals in an area of a specific size

Population Density = Number of Individuals/Unit area

**Limiting Factor**: An environmental factor that causes a population to decrease (i.e., food, water, space, weather)

**Carrying Capacity**: The largest population that an area can support

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