Science 7, Section 1.1 Note (adapted):

-All LIVING THINGS (organisms) are affected by other living things.

-All organisms are affected by the non-living parts of their living space.

-ABIOTIC = “non-living” parts of the environment, things like the climate (average weather conditions over a period of time), temperature and light, rainfall, air (oxygen and carbon dioxide gases), water, and soil.

-BIOTIC = “living” parts of the environment.

-All living things need;

-oxygen gas or carbon dioxide gas.

-fresh water.

-food to provide energy.

-a suitable place to live, including shelter, a food source, and a water source.

\*\*humans use technology to provide a lot of these needs\*\*

-ECOLOGY is the study of organisms, and organisms and the abiotic parts of the environment (ecosystems).

-An ECOLOGIST is the name given to scientists who study ecology.

-“ECOSYSTEM” includes all the living and non-living parts of an area (a pond, a forest, a stream, a shoreline of an ocean, etc.)

-“BIOMES” are collections of similar ecosystems that cover a large area, like a portion of a continent.