



## Unit 6 Interdependent Relationships

### Grade 6 Science

#### Unit Description:

Students will describe the atomic composition of simple molecules and extended structures and provide evidence that living things are made of cells. Students will also describe the function of cells and describe the cycle of matter and flow of energy into and out of various ecosystems.

#### Science Standards:

- 6-MS-LS2-1** Analyze and interpret data to provide evidence for effects of resource availability on organisms and populations of organisms in the ecosystem.
- 6-MS-LS2-2** Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.
- 6-MS-ESS3-4** Construct an argument supported by evidence for how increases in human population/per-capita consumption of natural resources impact Earth's systems.

#### Enduring Understandings- Unit Anchor Phenomenon:

The Great Barrier Reef is turning white.

#### Essential Questions- Reflective Summaries:

- How does coral bleaching impact the availability of resources and populations of organisms living within the Great Barrier Reef?
- Construct an explanation supported by evidence that the patterns of interactions among organisms in the Great Barrier Reef are impacted by coral bleaching.
- Construct an argument with evidence that human population and their per-capita consumption of natural resources are impacting Earth's systems and contributing to coral bleaching.