

STEM Challenge: Grade 7



7-LS1-6 – *Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.*

How do photosynthetic organisms play a role in marine ecosystems? Why are they necessary?

7-LS2-1 – *Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.*

Pick a habitat in the Aquarium and explain how its living and nonliving factors interact and depend on one another.

7-LS2-2 – *Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.*

Explain an interaction that you observed (or would observe in a natural habitat) for each of these types of interactions.

STEM Challenge: Grade 7



7-LS1-6 – *Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.*

How do photosynthetic organisms play a role in marine ecosystems? Why are they necessary?

7-LS2-1 – *Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.*

Pick a habitat in the Aquarium and explain how its living and nonliving factors interact and depend on one another.

7-LS2-2 – *Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.*

Explain an interaction that you observed (or would observe in a natural habitat) for each of these types of interactions.