



Challenge Activities

Reef Ecology

Challenge

What has made them so different?

Consider the following list of levels in a food chain. Write examples of the plants and or animals that would make up each step in a marine environment.

Primary	Herbivore	First Order Carnivore	Apex Predator

Food chains vary in length. It is rare to find chains more than six levels. Suggest a reason for this.

Food webs give a useful description of the feeding relationships in a community. However, they are non-quantitative. A pyramid of numbers shows the number of organisms at each trophic level in a community.

Using the examples you have written in the table above, draw a pyramid of numbers which represents this food chain.

Consider this scenario:
 A large predatory fish covered in parasites with a symbiotic cleaner wrasse.
 Draw a pyramid of numbers that represent this.

