

Rocky shore food web

All living things rely on the environment they live in for their basic needs, including food. Scientists use food chains and food webs to show feeding relationships.

a) Here is an example of a food chain at the rocky shore.

Plant plankton → Mussel → Seagull

Write the feeding relationship shown in this food chain in a sentence.

b) What do the arrows in a food chain show?

c) Use the information below or your own background knowledge to show two different food chains at the rocky shore:

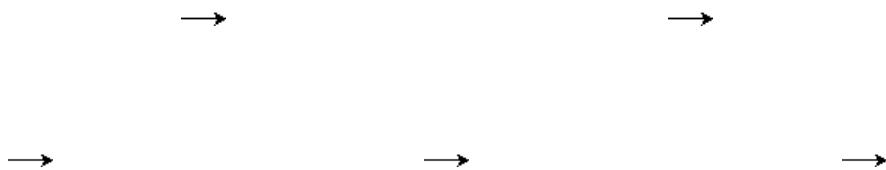
Plant plankton and various sorts of seaweed both live at the rocky shore.

Pāua, pupu and kina (sea eggs) are shellfish that “graze” on plants.

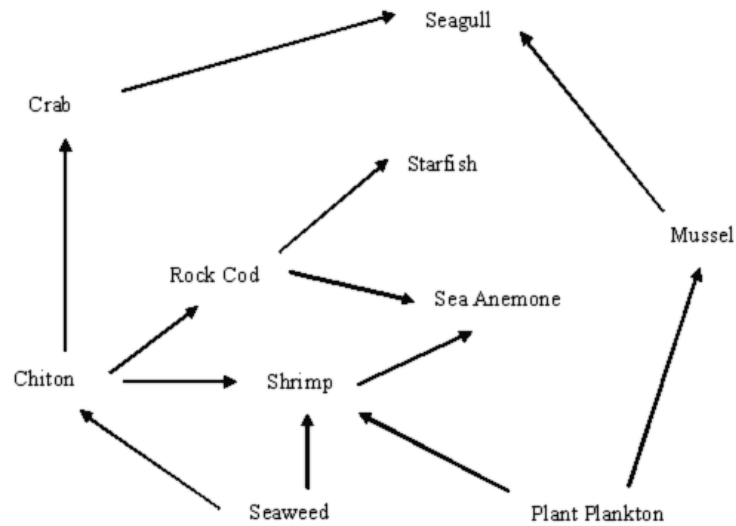
Octopus (wheke) and seabirds eat fish and shellfish.

Koura (crayfish) and fish eat shellfish.

Kuku are shellfish that feed by filtering tiny plant plankton from the water.



d) Food webs are made up of lots of different food chains. Use the food web below to answer the following questions:



- i) What does a crab eat? _____
- ii) What eats rock cod? _____
- iii) Name two producers. _____ and _____

iv) Shrimp are in three different food chains in the food web above. Show one of these food chains in the box below.

v) Here is another food chain:

Seaweed → Catseye → Whelk → Seagull

Add this food chain into the food web at the top of the page.

