

ARCTIC OCEAN
SCIENTIFIC ADVENTURES

NO.04

EDUCATIONAL PACKAGE

Arctic Marine ecosystemses

FOOD CHAIN

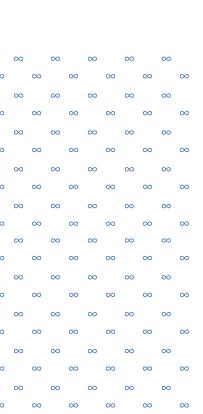
1) What is the difference between a food web and the food chain?

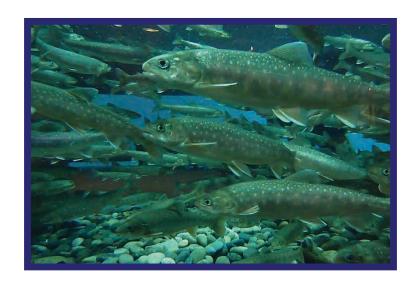
superpredators - food web - food chain - succession - nutrition - - lower level - autotroph - prey - phytoplankton - last - food chains - predator - ecosystem

A food chain is a succession of living organisms each of which eats lower-level organisms in order to gain energy. The first link in a chain is always an autotroph. In seas and oceans, Phytoplankton assume this role. Humans are often the last link in the chain: they are superpredators.

A food web is a set of interconnected food chains that make up an ecosystem through which energy and biomass flow.

This term refers to anything that is related to the nutrition of a living tissue or organ. For example, a trophic relationship is the link between the predator and its prey in an ecosystem.





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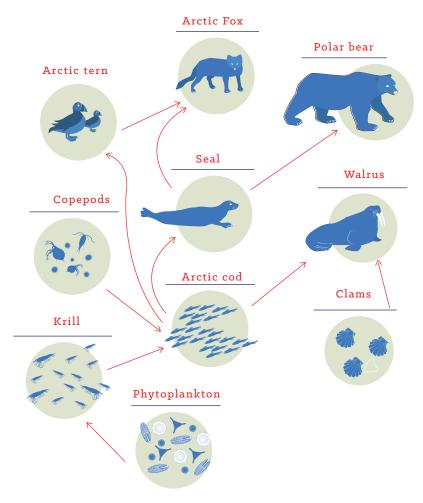
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ARCTIC ECOSYSTEM

- 2) Recreate a portion of the Arctic food web:
- a) Write the names of the animals in the right place:

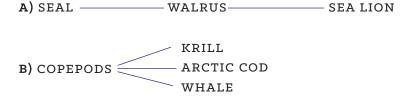
Polar bear - krill copepods - arctic
fox - clams- arctic
cod - seal - arctic tern
phytoplankton

b) Draw the arrows linking the elements of the Arctic food web



MULTIPLE CHOICE

3) Which of the following sequences represents a food chain? Circle the correct response.



C) SMALL FISH ———— SEAL ————— POLAR BEAR