

Combined science - Biology - Key stage 4
Ecology

Communities

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Independent practice

Write the definitions onto your paper:

An individual is ...

A population is ...

A community is ...

An ecosystem is ...



Independent practice

Answers

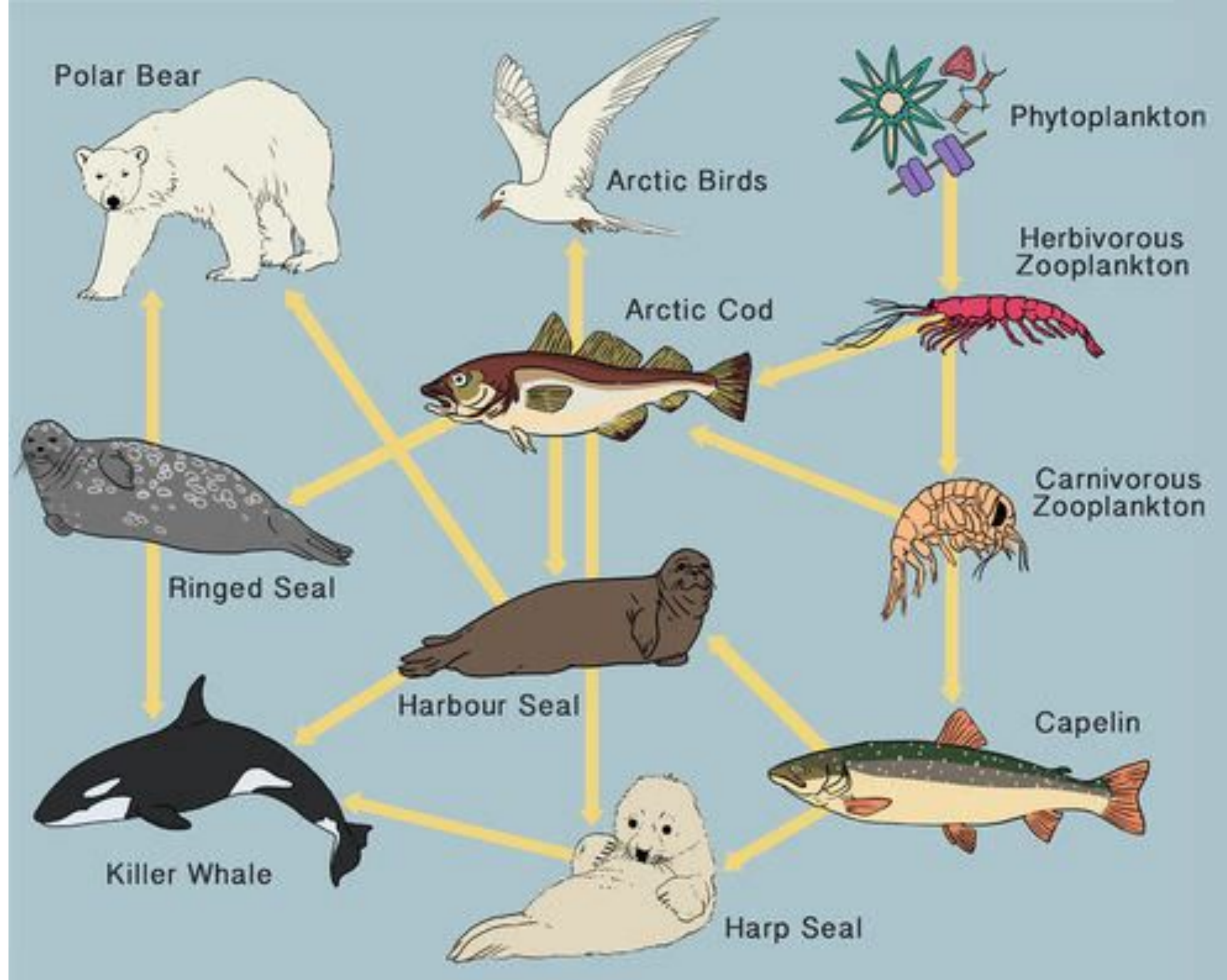
An individual is a single organism of a species

A population is the total number of organisms of one species

A community is all of the living organisms in an environment

An ecosystem is the interaction between the living and non-living parts of an environment





CK12 Foundation - Laura Guerin - Food Web in the Arctic Ocean



Independent practice

Use the food web to answer the questions:

1. Suggest why, if large numbers of arctic cod were removed by humans:
 - a) the ringed seal population may decrease
 - b) the zooplankton population may increase
2. From the food web, name one:
 - a) apex predator
 - b) producer
 - c) secondary consumer



Independent practice

Answers

1. Suggest why, if large numbers of arctic cod were removed by humans:

a) the ringed seal population may decrease

Because the ringed seals feed on the arctic cod and if there were fewer arctic cod the ringed seals may not have enough food to survive

b) the zooplankton population may increase

Because there would be fewer arctic cod to eat the zooplankton so more would survive



Independent practice

Answers

2. From the food web, name one:

a) apex predator

Polar Bear/Killer Whale/Arctic Birds

b) producer

Phytoplankton

c) secondary consumer

Carnivorous Zooplankton/Arctic Cod

