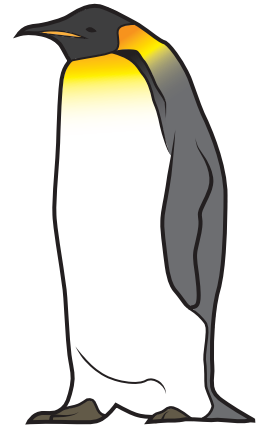


# All About Our Earth's Ecosystems!

# POLAR OCEANS

EMPEROR PENGUIN



## About Polar Oceans:

The polar oceans include the Arctic Ocean in the north, and the Southern Ocean, also called the Antarctic Ocean. These oceans are very cold, and frequently are covered by pack ice in the winter. In spite of the cold and apparent lack of life, a large number of organisms depend on the polar oceans for homes, food, and to reproduce. Phytoplankton and algae photosynthesize (like plants, they make their food from the sun), and these are consumed by copepods and krill. These small organisms directly or indirectly support many animals including different fish, squid, jellyfish, whales, seals, penguins, polar bears, and walrus.

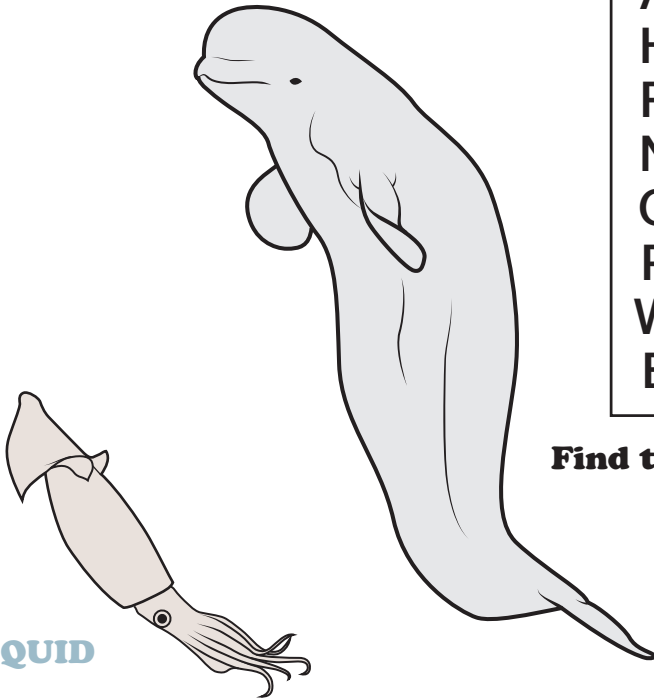
## Polar Oceans Stats:

- In the Arctic Ocean, a large portion of the ocean is covered in ice year round.
- Even though sometimes depicted as living together, polar bears and penguins almost never interact. This is because polar bears are only found in the north, and penguins only found in the south.
- Because of the tilt of the Earth, during the summertime the sun never sets, and during the wintertime the sun never rises in parts of both the Arctic and Antarctic.

## Word Search



BELUGA WHALE



SQUID

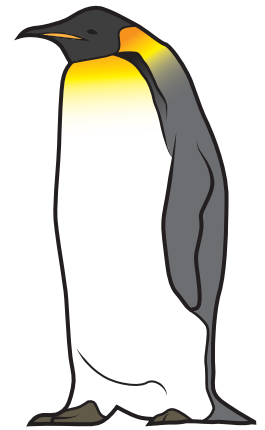
Find the polar ocean terms below in the word search. They can be horizontal or vertical.

- |              |             |
|--------------|-------------|
| 1) COLD      | 5) KRILL    |
| 2) WALRUS    | 6) ORCA     |
| 3) ICE       | 7) SEAL     |
| 4) JELLYFISH | 8) HUMPBACK |

# All About Our Earth's Ecosystems!

# POLAR OCEANS

EMPEROR PENGUIN



## About Polar Oceans:

The polar oceans include the Arctic Ocean in the north, and the Southern Ocean, also called the Antarctic Ocean. These oceans are very cold, and frequently are covered by pack ice in the winter. In spite of the cold and apparent lack of life, a large number of organisms depend on the polar oceans for homes, food, and to reproduce. Phytoplankton and algae photosynthesize (like plants, they make their food from the sun), and these are consumed by copepods and krill. These small organisms directly or indirectly support many animals including different fish, squid, jellyfish, whales, seals, penguins, polar bears, and walrus.

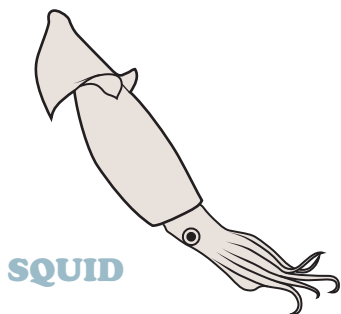
## Polar Oceans Stats:

- In the Arctic Ocean, a large portion of the ocean is covered in ice year round.
- Even though sometimes depicted as living together, polar bears and penguins almost never interact. This is because polar bears are only found in the north, and penguins only found in the south.
- Because of the tilt of the Earth, during the summertime the sun never sets, and during the wintertime the sun never rises in parts of both the Arctic and Antarctic.

## Word Search



BELUGA WHALE



SQUID

Find the polar ocean terms below in the word search. They can be horizontal or vertical.

- |              |             |
|--------------|-------------|
| 1) COLD      | 5) KRILL    |
| 2) WALRUS    | 6) ORCA     |
| 3) ICE       | 7) SEAL     |
| 4) JELLYFISH | 8) HUMPBACK |