TEACHER'S GUIDE

Listening activities and suggested answers

How do whales rule the ocean?

This version: English | Duration: 10:05 (about 10 min)

Published languages: English, Finnish.

Spotify: open.spotify.com/episode/7jTTj9jst7NuLBPkScyqu8
YouTube: youtu.be/Vx6qqabd3vc

Introduce the questions before listening. Students write answers after the whole episode. Discuss their answers as a class or in pairs.

Suggested answers are in italics. Accept students' own wording when the meaning is correct.

1 How does a blue whale separate krill from a mouthful of water?

It takes in water and krill. Baleen filters retain the food while water leaves the mouth.

2 How does a sperm whale find prey in darkness?

It sends clicks and listens for returning echoes. The time an echo takes to return helps it judge distance.

3 How does a young orca learn its group's hunting methods?

It grows up with experienced animals. Cooperation, calls and learned feeding habits can pass between generations.

4 Design a robot that borrows from whales

Features connect to filtering, echoes or cooperation. The invented device need not be buildable if the connection to a whale's ability is explained.

Teaching tip: First ask which problem the robot is meant to solve.