Biology A · Unit 1 · Level 1

Orcas & the Salish Sea



TODAY'S PLAN

- 🐋 Meet the orcas
- 🕸️ Who eats who
- ☠️ Poison piles up
- 📢 Too much noise

Review · 5 minutes

Quick Review



🧪 Scientists **observe** and ask **why**.

🐋 Today: why are our orcas in trouble?

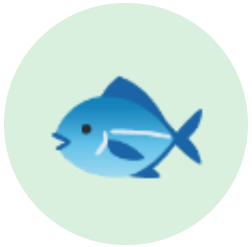
👉 Point: where do orcas live? 🌊 or 🏜️

Words to Know

Words to Know



Orca
a black and white whale



Salmon
the fish orcas eat



Salish Sea
our sea by Ferndale



Pod
an orca family group

Learn

Meet the Orcas

🐋 **Orcas** live in the **Salish Sea**, near us.

👨‍👩‍👧 They live in families called **pods**: **J**, **K**, and **L** pods.



Learn

Orcas Eat Salmon

🐟 Our orcas eat **salmon**.

📉 There are **not enough** salmon now.



🃏 Check 1 of 3



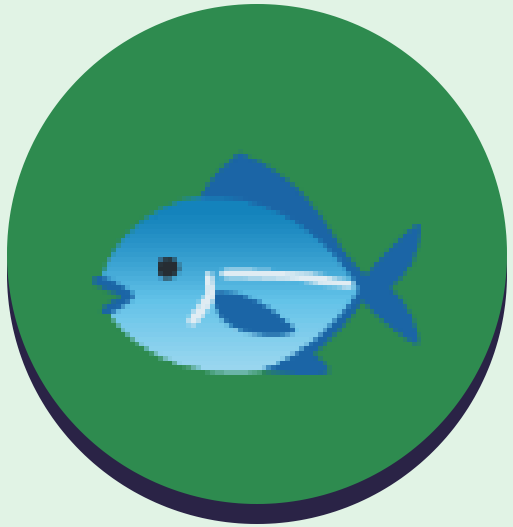
What do our orcas eat?

Point to the picture!

🍔 Burgers

🐟 Salmon

✅ Answer · Card 1 of 3



Salmon

Southern Resident orcas eat salmon.

Steps

Who Eats Who



1. 🌿 **Tiny plants** make food from the sun.
2. 🦐 **Tiny animals** eat the plants.
3. 🐟 **Fish** eat the tiny animals.
4. 🐋 **Orcas** eat the fish.

Learn

Poison Piles Up



☠️ A little **poison** gets in the water.

🐟 Each fish eats lots of food, so poison **adds up**.

🐋 Orcas eat lots of fish, so they get the **most** poison.

🃏 Check 2 of 3



Who gets the most poison?

Point to the picture!

🐋 Orca

🌿 Tiny plant

✅ Answer · Card 2 of 3



Orca

The top of the chain gets the most.

Learn

Orcas Hunt With Sound



🐋 Orcas **click**.

👂 They hear the **echo** bounce off a fish.

🚤 Loud **boats** make it hard to hear.

Check 3 of 3



What makes it hard for orcas to hear?

Point to the picture!

Loud boats

Birds

✅ Answer · Card 3 of 3

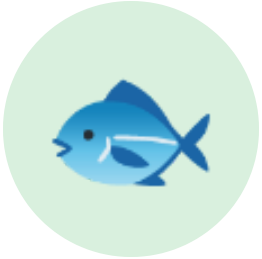


Loud boats

Boat noise covers the echoes.

Learn

We Can Help



Save salmon
clean rivers



Slow boats
less noise



No trash
keep water clean



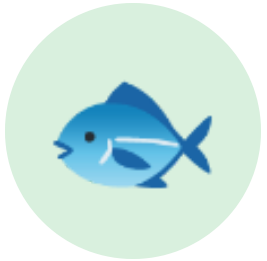
Plant trees
shade for salmon

Wrap-Up

Recap



Orcas
live in pods



Salmon
orca food



Poison
piles up



Noise
hard to hunt

Wrap-Up

Great Job!



- 🐋 I can say what orcas eat.
- ☠️ Poison piles up in the orca.
- 💚 I can name one way to help.