Biology A · Unit 1 · Level 2

Trace the Toxin Game



TODAY'S PLAN

- 👥 Jobs
- ⚠️ Safety
- 🌱 Steps
- ✅ Check
- 📝 Reflect

Get ready

Jobs



Zooplankton

Picks up chips one at a time.



Herring

Tags zooplankton gently and takes one bag.



Salmon

Tags herring gently and takes one bag.



Orca

Tags salmon gently and takes one bag.

Safety

Be Safe



🤚 Gentle shoulder taps only. No grabbing, pushing, or running.

♿ Every student can play: a seated orca or salmon can call out a name instead of tagging.

🔴 Chips stay out of mouths.

Steps

Steps



1. 📋 **Read** your life card and tape on your name card.
2. 🦐 **Round 1**: zooplankton collect chips, one at a time (30 seconds).
3. 🐟 **Round 2**: herring feed on zooplankton (take one bag per tag).
4. 🐟 **Round 3**: salmon feed on herring.
5. 🐋 **Round 4**: orcas feed on salmon.
6. 🔴 **Count** the toxic chips each survivor has. Who has the most?

🃏 Check 1 of 2



Why did the orca end with the most toxic chips?

Hold up 1, 2, or 3:

1️⃣ It ate many salmon, who ate many herring

2️⃣ Orcas make toxins

3️⃣ It picked up chips

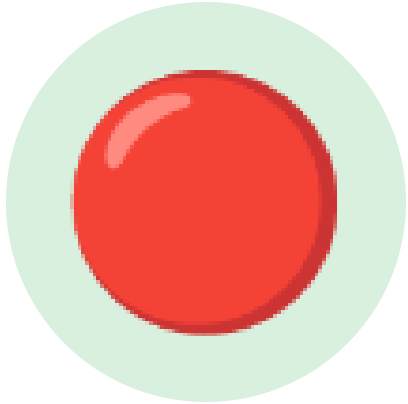
✅ Answer · Card 1 of 2



It ate many salmon, who ate many herring

Biomagnification.

🃏 Check 2 of 2



The toxic chips stand for…

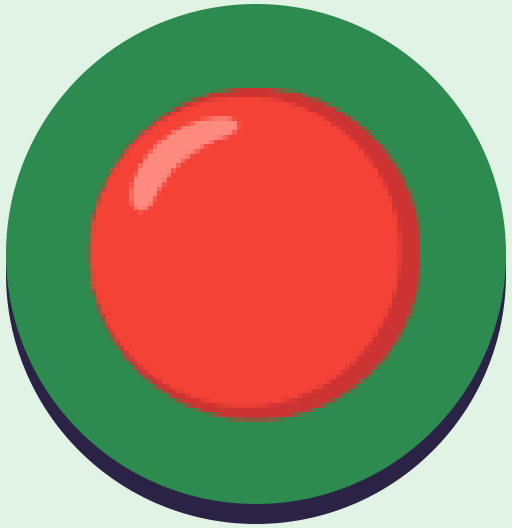
Hold up 1, 2, or 3:

1️⃣ Salmon eggs

2️⃣ Oxygen

3️⃣ PCBs

✅ Answer · Card 2 of 2



PCBs

PCBs in the food web.

Wrap-Up

Clean Up + Reflect



🔴 **Chips and bags back**

📝 **Data + reflection**