

Today's Agenda

01

**Environment vs
Ecosystem**

03

Group Poster

02

**Living and
nonliving things**

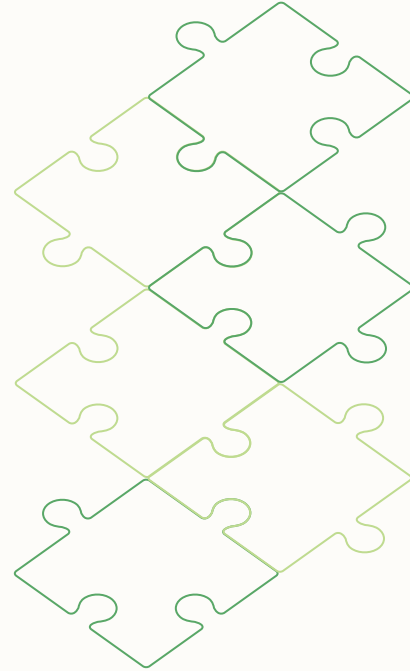
04

Gallery Walk

Think: Think about the question individually.

Discuss: Discuss the question with someone next to you.

Share: Raise your hand to share with the class what you know.





01
Environment
vs
Ecosystem

What does **environment** mean?

Think...

What do you already know?

Discuss...

What does environment mean?

What are different parts of an environment?

Share...

Raise your hand to share what you talked about.

What is an **ecosystem** ?

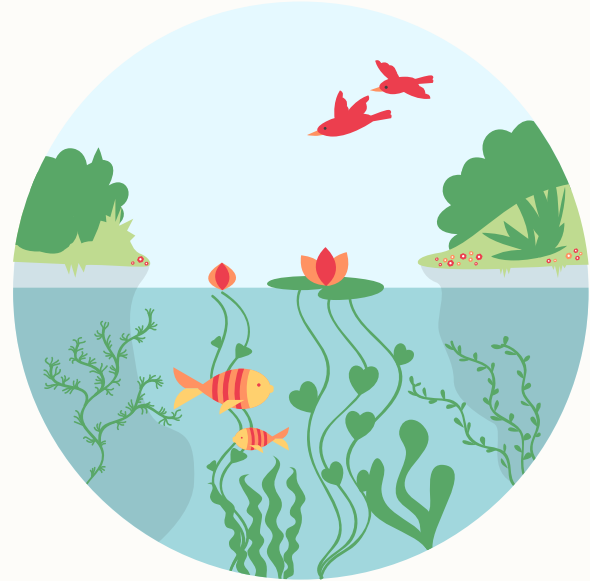
Think...

What do you already know?

Discuss...

What is an ecosystem?

Is it the same as an environment?

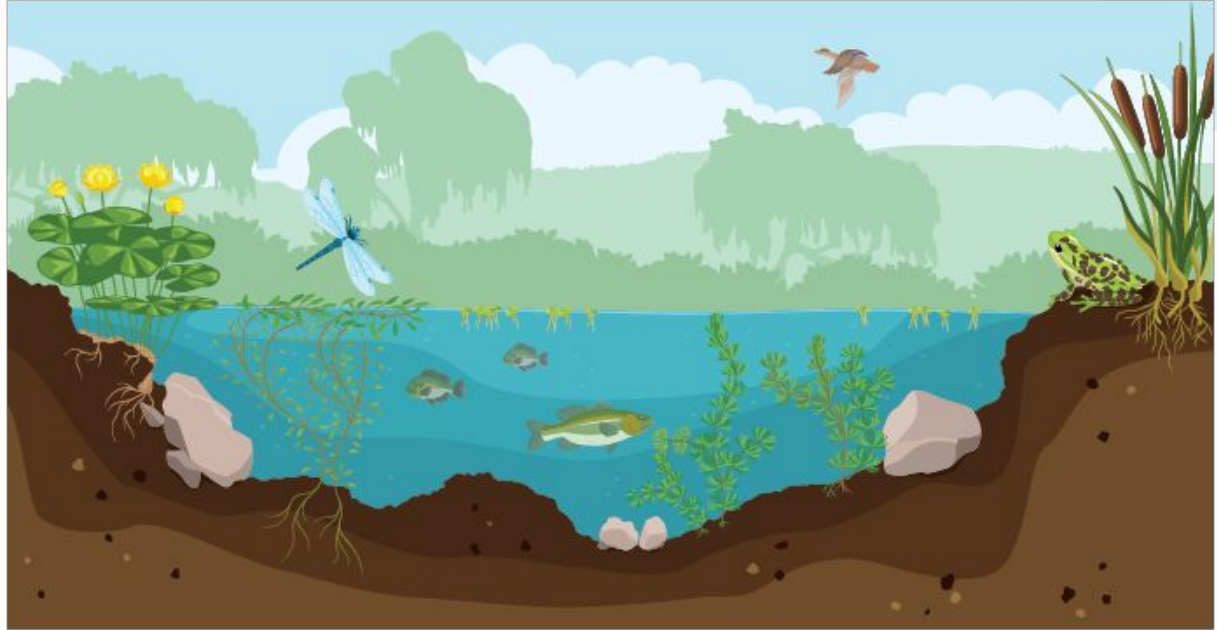


In an **ecosystem** is like a community where the living organisms and nonliving things work together.

Look at the picture of a pond ecosystem.

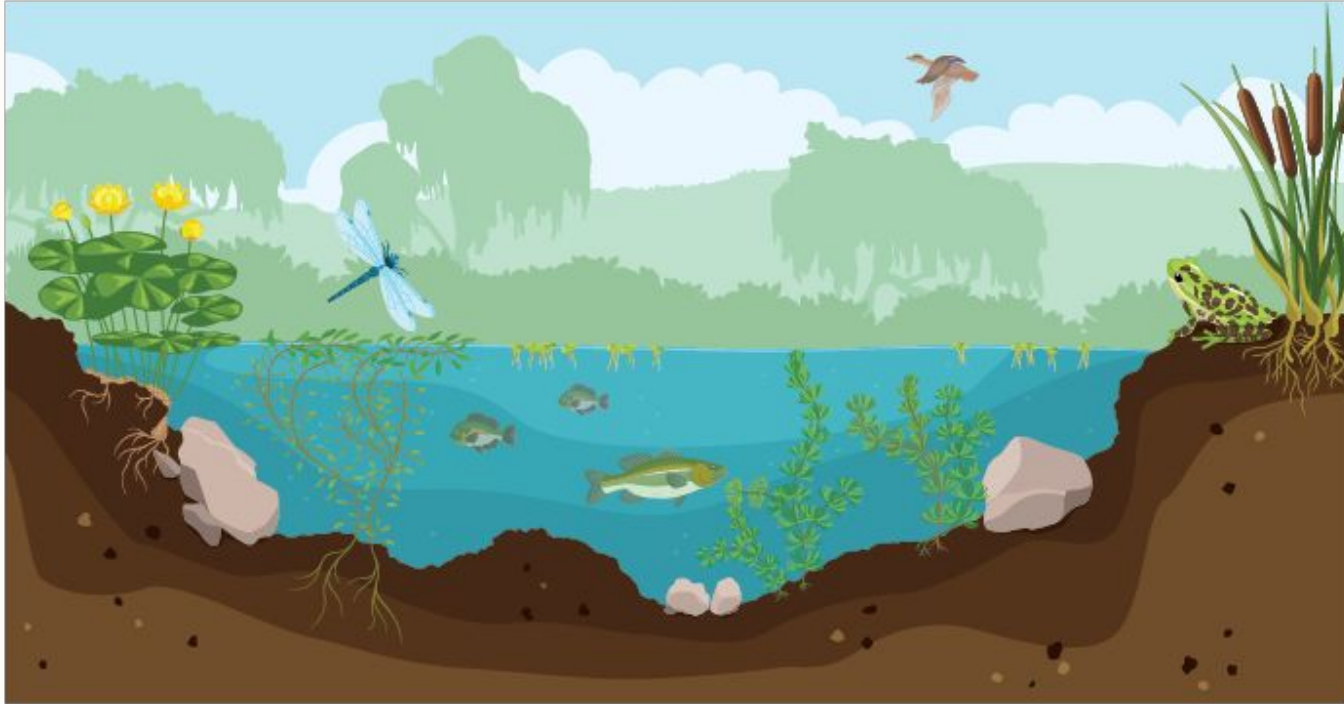
Discuss...

What is an example of a living organism?



Discuss...

What is an example of a non-living thing?





02 Living and Nonliving things



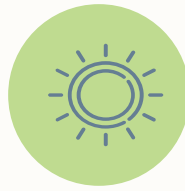
Living

Animals

Bugs

Plants

Trees



Non-living

Rocks

Soil

Weather

Water

Mountains

Roads

Share...

Why do non-living things matter?

What do they do for the living organisms?

All living things need energy to grow and live.

Discuss...

How do we get energy?

How do animals get energy?

How do plants get energy?





EPISODE 1.2

FEED ME!

KIDS

Carnivore:

Carnivores are animals that primarily eat meat to get the energy they need. They have sharp teeth and strong jaws for hunting.



Omnivore:

Omnivores are animals that have a diverse diet, eating both plants and animals. They have a range of teeth for chewing different types of food.



Herbivores

Herbivores are animals that mainly eat plants to get their energy. They have specialized teeth for grinding and chewing plant material.



Nocturnal

Nocturnal animals are creatures that are active during the night and sleep during the day. They often have special adaptations, such as keen night vision or sensitive hearing.



Discuss...

What are the differences in these photos? Make three observations with a partner.

Think...

about the different seasons. What do you know about the weather in each season?

Share...

What the weather is like in your favorite season?



Oregon Ecosystems - We live in the West Cascades. This includes the mountains and forests around us.

Share...

What animals do we often see or know live in the West Cascades?

What plants do you see or know grow in the West Cascades ?

What weather have you experienced or think is common in the West Cascades?





03

Group Poster

Using what we know and learned we are going to make a poster of an ecosystem in the west cascades. You will have 30 minutes to make the poster and we will do a final gallery walk of all the posters once they are done.

Take 5 minutes as a group to plan your poster.

Think about...

What living organisms will you include?

What non-living organisms will you include?

How will the weather affect your ecosystem?

Materials:
Poster Paper
Pencils
Markers
Crayons



Gallery⁰⁴ Walk

Investigation

Walk around to each poster and make a note of what is the same and what is different from your poster.

Individually fill out your worksheet then as a group pick three observations to share with the entire class.



What would happen if the conditions changed? How would your ecosystem change and what would this affect in your ecosystem?

Discuss...

What if it snowed?

What if it was night?

What if a new carnivor was introduced?

What if an entire type of plant was removed, like the trees?



Adjust your poster to fit a **new** condition.

In the folder are cut out adjustments.

Pick the cut outs that might change with your new condition and tape them to your poster, you can also draw on the poster.

Make sure to **add more than one** thing.

You can also change the poster by covering up parts if they no longer fit with the new condition.



What is an ecosystem?

An ecosystem is a geographic area where plants, animals, and other organisms, as well as weather and landscapes, work together to form a bubble of life.

