

What Types of Ecosystems are There?



In this activity you will learn all about the types of ecosystem. You can read all of the material and watch a short video on ecosystems. After you have read the material and watched the video, you can take the short quiz to see how much you learned!!

Now, let's get started!

Start!

Teacher's Page

Environment & Learners

- Typical U.S. classroom.
- In a computer lab where each child has their own computer and set of headphones
- 4th grade lower level science students
- 9-10 years old

Objectives

- Given characteristics or photographs, students can determine whether an ecosystem is aquatic or terrestrial with 100% accuracy.
- Given a list of plants or animals, students can determine which type of ecosystem it is with 100% accuracy.
- Given an example ecosystem, students can identify which type of ecosystem it is with 100% accuracy.



Navigation Buttons



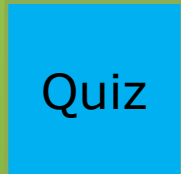
Next Page



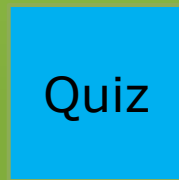
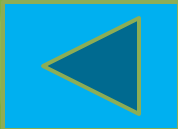
Back



Home Page



Take the Quiz



Home Page

Click on which type of ecosystem you would like to learn about, watch the video, or take the quiz. Just click where you want to go!

[Terrestrial Ecosystems](#)

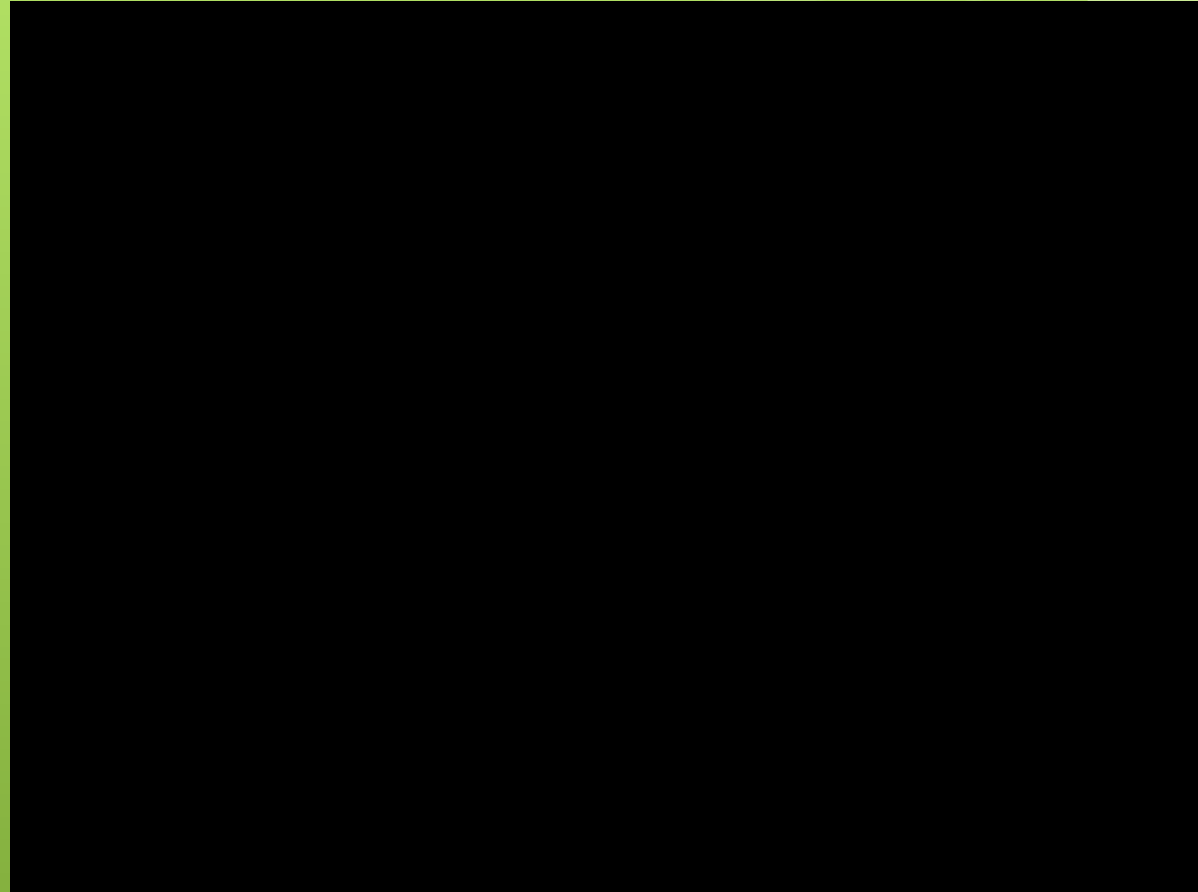
[Aquatic Ecosystems](#)

[Watch the Video](#)

[Take the Quiz](#)

Video

- Here is a short video of plants and animals and what type of ecosystem they belong to. After you watch this, you can either take the quiz or learn more about the different types of ecosystems!

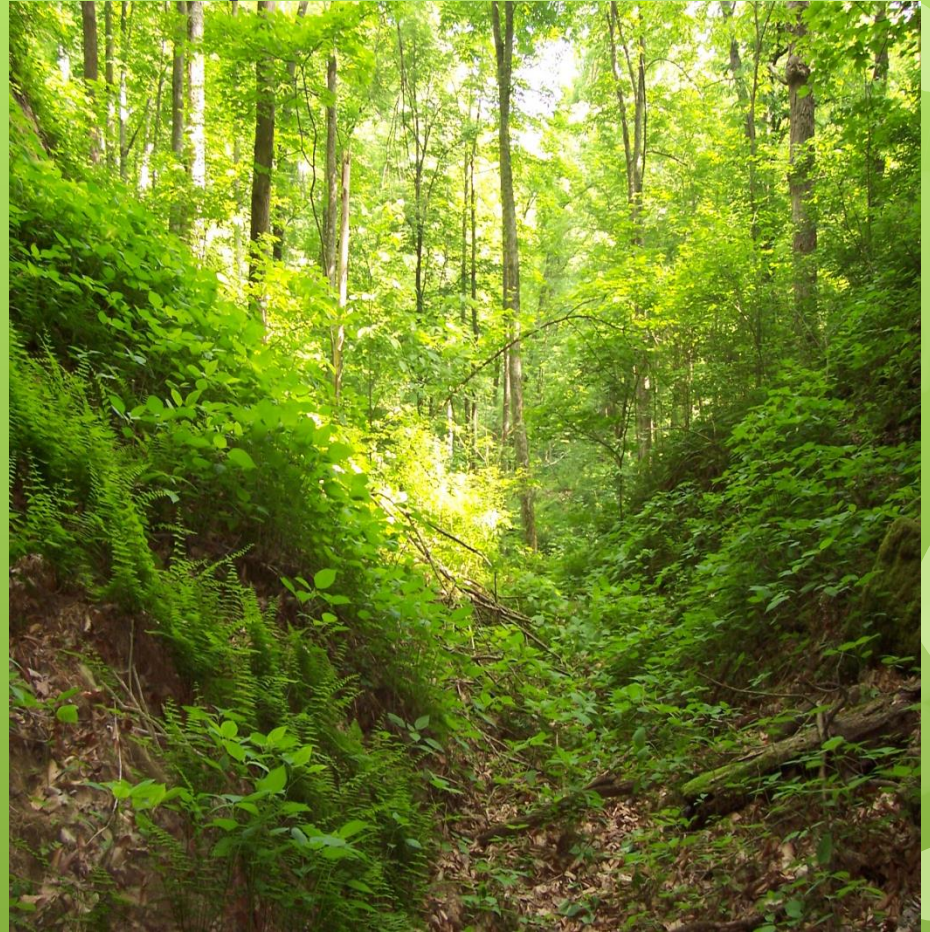


Quiz



Terrestrial Ecosystems

- Terrestrial ecosystems are ecosystems on land.
- They can be as big as a continent, or as small as an island!
- They make up about 28% of the entire World's ecosystems.



Quiz



What Animals Live There?

- Many different animals call terrestrial ecosystems home.
- The most common are:
 - Birds
 - Mammals of all shapes and sizes
 - insects



Quiz



What Plants Live There?

- Many plants also call terrestrial ecosystems their home also, we see many of them everyday!
- Common plants are:
 - Flowering plants, like roses
 - Mosses, like moss that grows on rocks
 - Conifers, which are pine trees



Quiz



Examples of Terrestrial Ecosystems

○ Forests



○ Deserts



○ Grasslands



Quiz



Think About It!

Do you think that your back yard is a terrestrial ecosystem?

Yes

No

Well, Let's think about this...

Is you backyard on land?
Let's try that again!



Correct!

Of course it is. We live on land, so we are all part of a terrestrial ecosystem! Great Job!

Now, lets learn about something else, or you can take the quiz!



Quiz

Aquatic Ecosystems

- There is something special about aquatic ecosystems.
- There is actually two different types of aquatic ecosystems.
- One type is freshwater
- The other type is saltwater.
- Both types, however, are ecosystems that are in the water.



Quiz



Freshwater Ecosystems

- Freshwater ecosystems are places in the water where there isn't much salt in the water.
- These include places like lakes, rivers, and creeks.



Quiz



What Animals Live in Freshwater Ecosystems?

- A lot of animals live in freshwater ecosystems.
- Animals include:
 - Freshwater fish, these fish can't live in the ocean because it is too salty for them, so they live in freshwater
 - Amphibians, like frogs
 - Reptiles, like water snakes



Quiz



What Plants Live in Freshwater Ecosystems?

- Many plants call freshwater ecosystems their home, even if we can see them from the surface of the water



- Some plants are:
 - Cattails
 - Grasses
 - Trees



Quiz



Saltwater Ecosystems

- Saltwater ecosystems are again in the water, but unlike freshwater ecosystems, saltwater ecosystems have very salty water.
- They also make up the vast majority of the Earth's ecosystems.
- They are the world's largest ecosystems.
- Some examples of saltwater ecosystems are oceans and coral reefs.

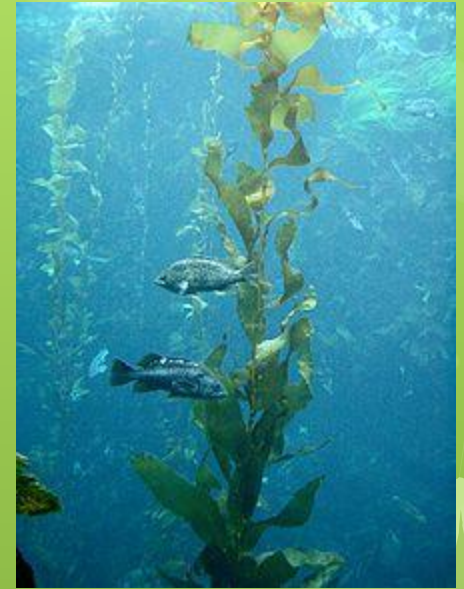


Quiz



What Plants are in Saltwater Ecosystems?

- Seaweed is one of the most common types of plants that live in saltwater ecosystems.
- Another plant that lives in the ocean is kelp.



Quiz



What Animals Live in Saltwater Ecosystems?

- There are so many animals that live in saltwater ecosystems
- Animals that live in saltwater ecosystems include:
 - Fish
 - Sharks
 - Jellyfish
 - Whales



Quiz



Think About It!

If you were a sea turtle, would you call aquatic ecosystems your home?

Yes

No

Oops, lets think about it again

Where do you think **SEA** turtles live?



Correct!

Of course, sea turtles live in water, both saltwater and freshwater! You're so smart!

Now, let's learn about something else, or you can take the quiz!



Quiz

Quiz!

There are 10 questions to this quiz. If you need to go back and review more, you can go back to the home page at any time. If you aren't ready right now, go back to the homepage. If you are ready, here are a few instructions. If you choose the wrong answer, simply hit the back button and try again. If you answer correctly, you can hit the next button to go on to the next question. Good luck!



Begin

Question 1

Lions, bears, and camels live in a _____ ecosystem.

- A. Freshwater
- B. Terrestrial
- C. Saltwater
- D. All of the above



Good Guess, but...

Ask yourself this question,

Can lions, bears, and camels breathe underwater?

Try again!



Great!

Lions, bears, and camels all live on land so of course they live in a terrestrial ecosystem!

Let's move on to the next question.



Question 2

This picture is an example of...



- A. Aquatic ecosystem
- B. Terrestrial ecosystem
- C. Space ecosystem
- D. All of the above



Good try, but...

Think about where this picture was taken and what kinds of animals you see.

Give it another guess.

SORRY!



Awesome!!

Fish live in water, and the picture was taken underwater, so clearly its an aquatic ecosystem!



You can go to the next question now.



Question 3

The Atlantic Ocean is an example of what type of ecosystem?

- A. Freshwater ecosystem
- B. Terrestrial Ecosystem
- C. Saltwater ecosystem
- D. All of the above



Oops, try again!



What animals and plants live in the ocean, and how do they breathe?



You're so smart!



WHO'S AWESOME?

You're awesome.

Great job! Let's keep
going!!!!



Question 4

Sharks, seaweed, and jellyfish live in what kind of ecosystem?

- A. Freshwater ecosystem
- B. Terrestrial Ecosystem
- C. Saltwater ecosystem
- D. All of the above



Sorry, try this again.

Think about where all these things live. ...



Great!

You're doing awesome! Go on to the next question!



Question 5

A rainforest is an example of ...

- A. [Freshwater ecosystem](#)
- B. [Terrestrial Ecosystem](#)
- C. [Saltwater ecosystem](#)
- D. [All of the above](#)



Nice try

Think about where rainforests are and what lives in them.



Great!

You are half way there! Keep going!



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Question 6

The animals in this picture would live in what type of ecosystem?

- A. [Freshwater ecosystem](#)
- B. [Terrestrial Ecosystem](#)
- C. [Saltwater ecosystem](#)
- D. [All of the above](#)



Let's try again!

Think about if monkeys can breathe under water or not!



Fantastic!

You are doing so well, keep going!



Question 7

A creek is an example of a

- A. [Freshwater ecosystem](#)
- B. [Terrestrial Ecosystem](#)
- C. [Saltwater ecosystem](#)
- D. [All of the above](#)



Sorry, guess again...

What type of water is in a creek, freshwater or salt water?



Yes!

You are almost done!!!

YES!



Question 8

What type of ecosystem has plants and animals?

- A. [Freshwater ecosystem](#)
- B. [Terrestrial Ecosystem](#)
- C. [Saltwater ecosystem](#)
- D. [All of the above](#)



Good guess, but try again

Think about every ecosystem individually.



You're doing great!

Let's keep going!!



Question 9

A desert is an example of what kind of ecosystem?

- A. Freshwater ecosystem
- B. Terrestrial Ecosystem
- C. Saltwater ecosystem
- D. All of the above



Take another guess

Does a desert have a lot of water?



Great!

Only one more to go!



Question 10

Do you think that terrestrial or aquatic ecosystems are cooler?

Aquatic

Terrestrial



That's awesome!

It is super cool!



Congratulations!

You made it to the end of the quiz! You have learned so much about ecosystems now! You are awesome!

CONGRATULATIONS

