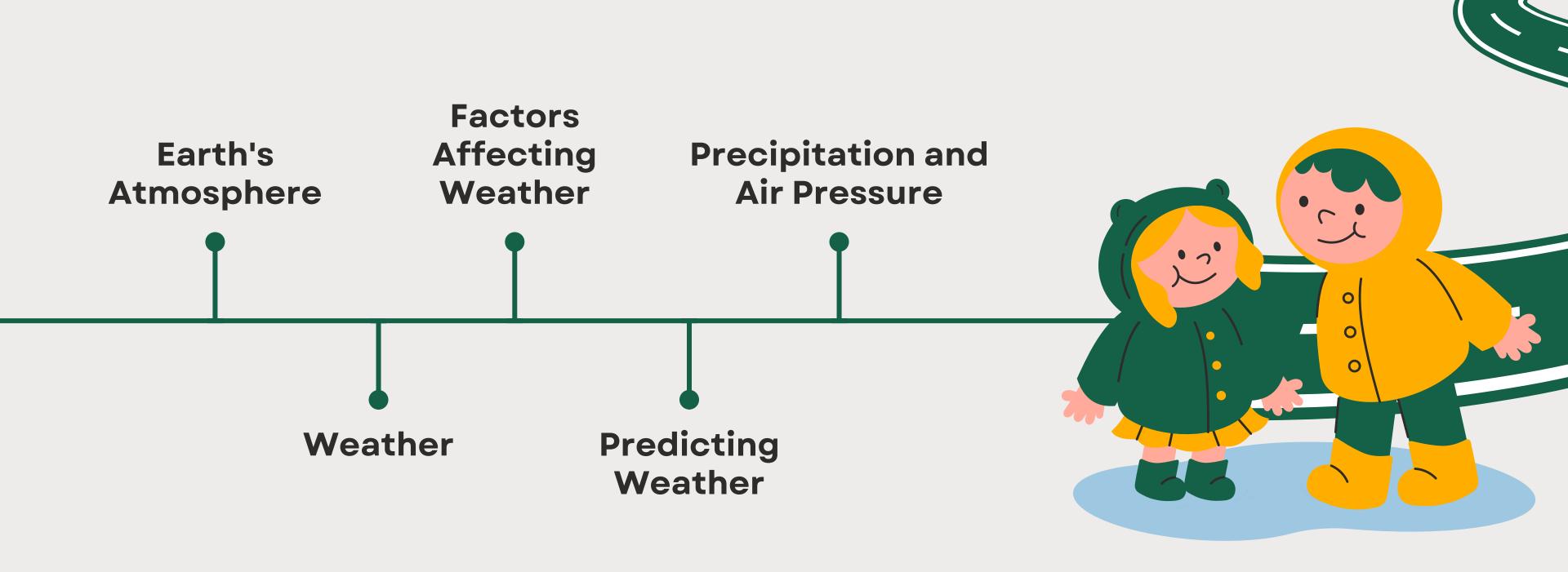


Today's Focus





Dress for the Weather

Jam lives in Wyoming and wants to go out on a Saturday morning to play.

What should she wear based on the weather forecast shown? The pinned location is Wyoming.





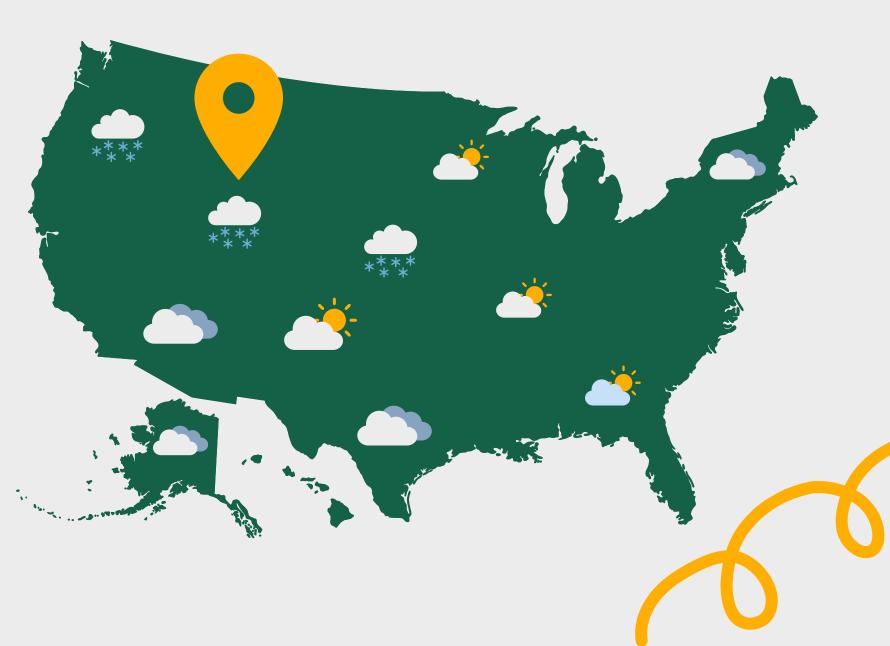


Dress for the Weather

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Learning Outcomes

By the end of the lesson, you'll be able to:

1



describe the role of Earth's atmosphere in the weather

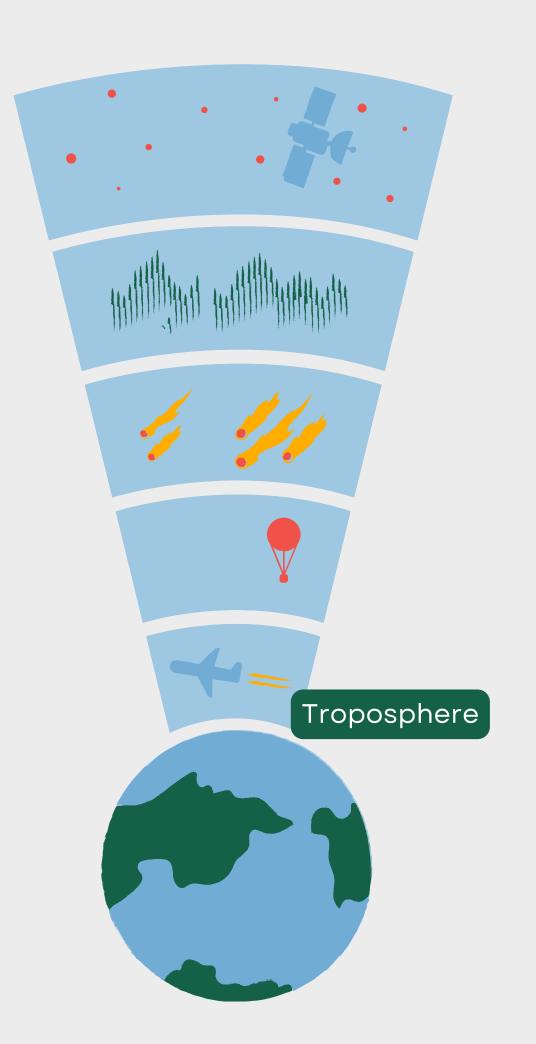
2



name main factors affecting weather 3



explain the link between air pressure and precipitation



Earth's Atmosphere

1

It is the gaseous layer that blankets Earth.

2

Almost all weather occurs in its lowest layer, the troposphere. It contains about 99% of the atmosphere's water vapor.

What is weather?

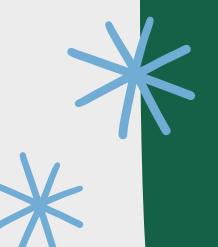


It is the condition of Earth's atmosphere at a given time and place.



It is what you see outside on any particular day.





Main Factors Affecting Weather

Moisture in the air (humidity)













Predicting Weather

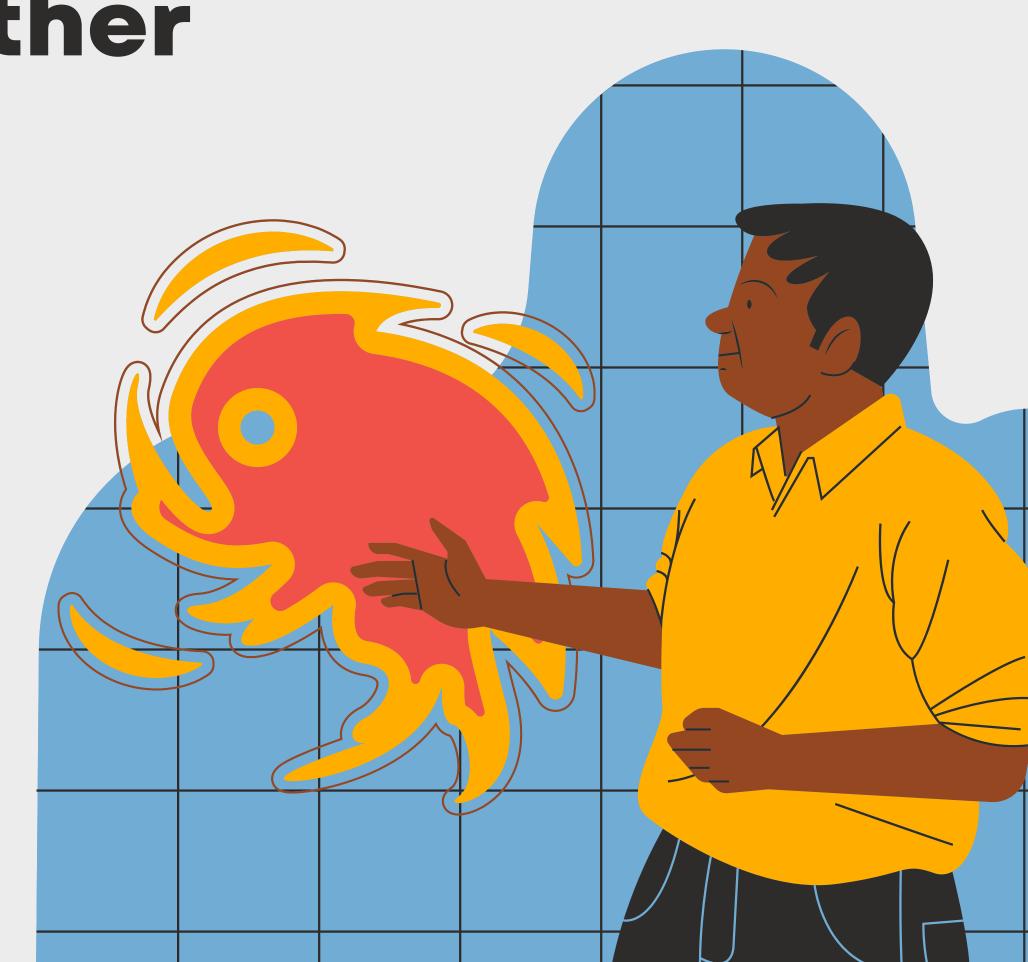
Meteorologist

They study Earth's atmosphere to predict and understand the weather.

Weather Forecast

It is an estimate of future weather conditions.

It depends on several factors: wind direction, temperature, air pressure, etc.



Le

Predicting Weather

What's the weather on Tuesday in Oregon?

What should you bring if you plan to go out on Wednesday?

| 3-DAY WEATHER FORECAST (OREGON) | | |
|---------------------------------|-----------------------|----------------------|
| Mon | Tue | Wed |
| partly cloudy 68°F | cloudy and windy 61°F | rainy and windy 53°F |

Brain Teaser

Do you think the air pressure has anything to do with how much rain falls? Why do you think so?

Share your thoughts with the class using the sticky notes.

Add your answer here.

Add another answer here.

Name

Name

Name

Add another answer here.

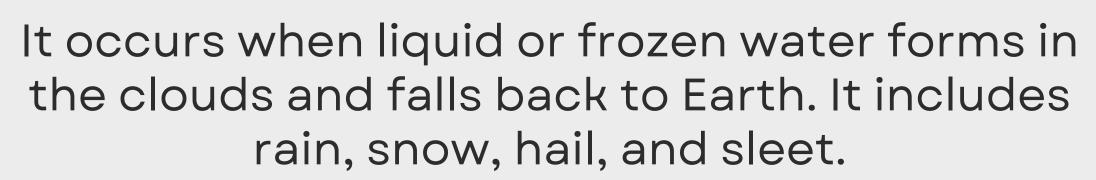
Name

Name











Air Pressure

It refers to the weight of the air molecules pressing down on us.



Air pressure depends on the temperature and how tightly packed air molecules are.

How are air pressure and precipitation connected?



Low-pressure system is often associated with more precipitation.



High-pressure system is generally associated with calm, fair weather.

Look out the window now!

How's the weather outside?

Did the weather forecast today mention a low-pressure system? How about a highpressure one?



A Recap



All weather occurs in Earth's atmosphere.



Weather is the condition of the atmosphere at a given time and location.



Precipitation, air pressure, temperature, cloudiness, and wind conditions affect weather.



Air pressure and the amount of precipitation are related.

Looking Back

Recall what happened when Hurricane Ian hit Florida in September 2022.

Where did it cause the most damage?

How was the weather before the hurricane came?



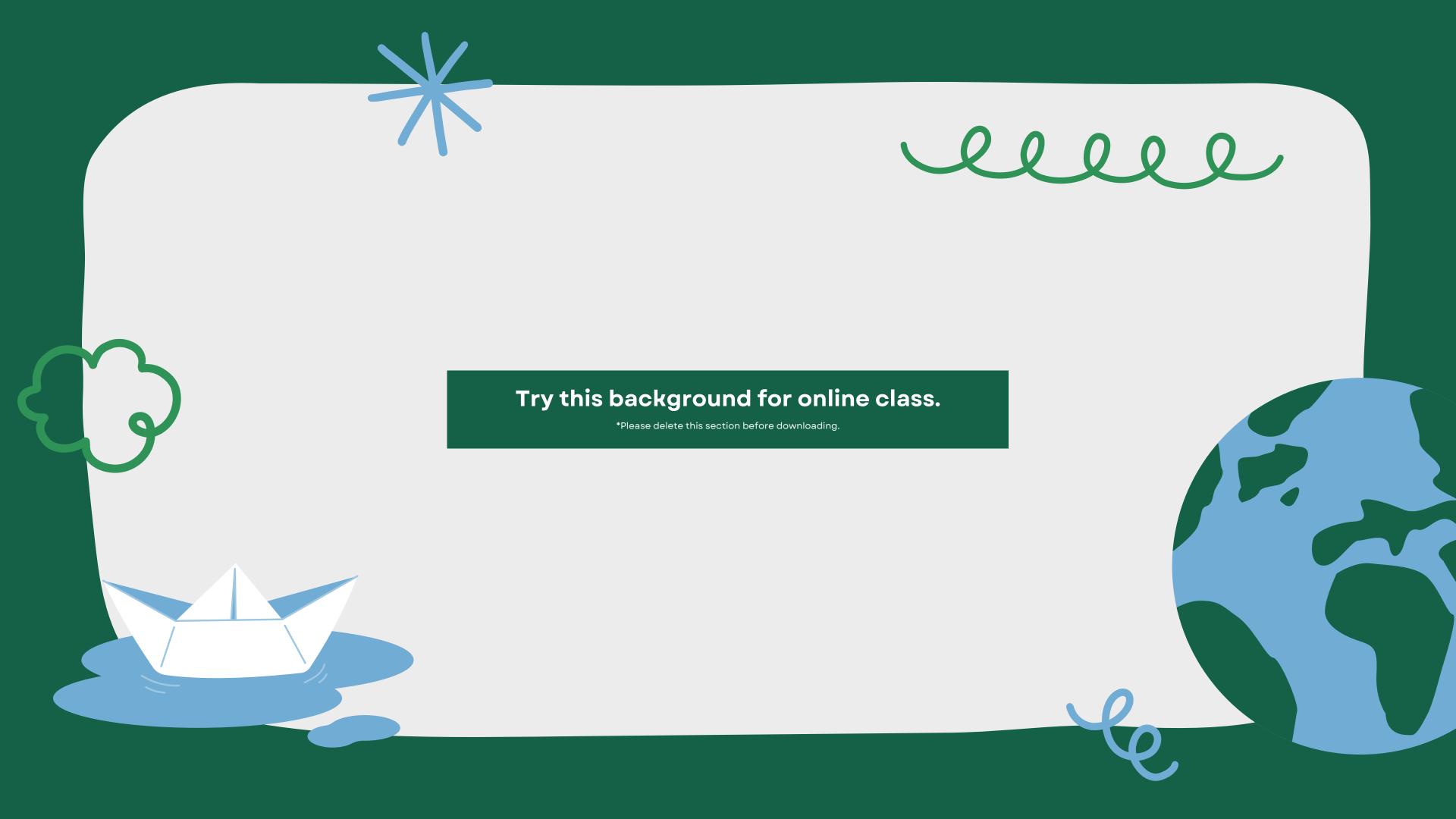
Resource Page

Use these elements and illustrations in your Canva Presentation. To find even more elements about the weather, use these collection codes in the elements search bar:

canvaeducationscienceobjectsinthesky canvaeducationscienceweather canvaeducationweather

Happy designing! Don't forget to delete this page before presenting.





Press these keys while on Present mode!

B for blur

c for confetti

D for a drumroll

M for mic drop

o for bubbles

o for quiet

U for unveil

O-9 Any number from 0-9 for a timer

