

What is Weather?



Learning Objective

- To understand what weather is and how it affects human activities.

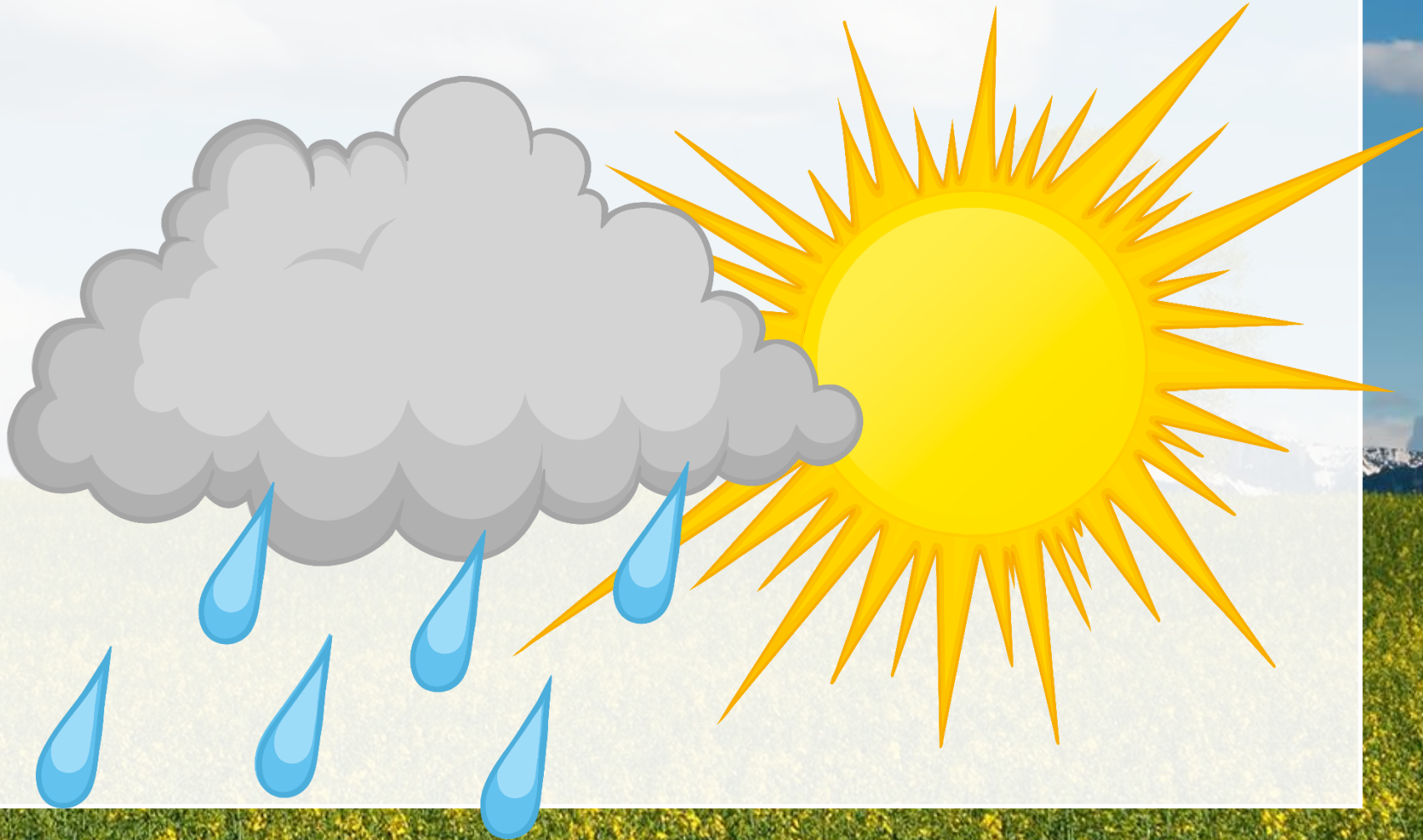
Success Criteria

- To be able to define weather and climate.
- To identify the different types of weather.
- To examine how weather affects human activities.

What Is Weather?



How many types of weather can you think of?



What Is Weather?

Most of our weather occurs in the lowest layer of the Earth's atmosphere, which is called the **troposphere**.



'Weather' and 'Climate'

What Is the Difference?

weather

The conditions of the atmosphere, such as temperature and presence of rain and clouds. Weather changes **daily**.

climate

The **average** weather conditions of a location over a **long period** of time. The UK has a temperate climate: warm summers, mild winters and some rainfall all year.

meteorologist

Someone who studies the weather.

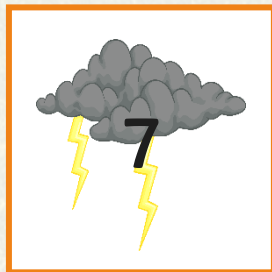
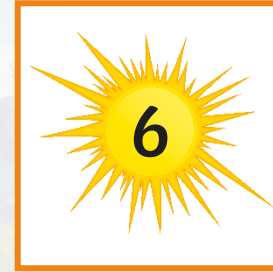


'Weather' and 'Climate'?



There is a statement hidden in each box.

Does each statement describe **weather** or **climate**?



What Is the Difference



1. The Sahara Desert is hot and dry all year.



Climate

Next question

What Is the Difference



2. Today has been really hot and sunny.



Weather

Next question

What Is the Difference



3. Last Wednesday was really windy!



Weather

Next question

What Is the Difference



4. Greece is always hot in the summer.



Climate

Next question

What Is the Difference



5. England has cold and wet winters.



Climate

Next question

What Is the Difference



6. There was a huge thunderstorm last night!



Weather

Next question

What Is the Difference



7. The average daytime temperature in Sydney, Australia is 23 °C.



Climate

Next question

What Is the Difference



8. The heavy rain last week caused a flood.



Weather

Next question

What Is the Difference



9. This morning, we didn't have to go to school because it snowed!



Weather

Next question

How Does Weather Affect Us?



Can you think of an example of how the weather has affected you in some way?

Maybe heavy rain caused your football match to be cancelled, or perhaps there was some damage to your house.



How Does Weather Affect Us?



Complete the **How Does Weather Affect Us? Activity Sheet**. Try to think of as many examples as you can.

How does the weather affect us?

The weather affects our activities in many different ways. Complete the table using the statements in the boxes. There should be a one positive and one negative impact for each part of the table.



	Positive impacts	Negative impacts
Health		Sunshine can cause sunburn and heatstroke
Farming		
Transport (road, rail, air, sea)		
Retail (shopping)	Sales of BBQs, cold drinks and ice creams increase in hot weather.	
Tourism and recreation		
Energy	Sunshine can produce solar power.	

How Does Weather Affect Us?



crop damage

Photo courtesy of CTHOE@wikimediacommons.com

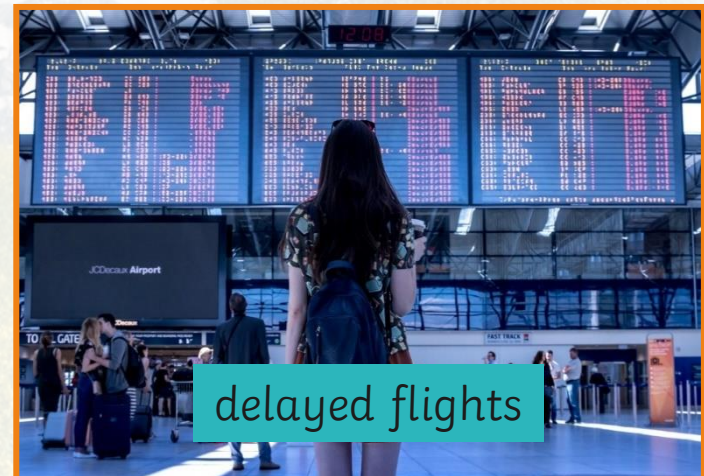


hailstone damage to vehicle



flooded football pitch

Photo © Roger Templeman (cc-by-sa/2.0)



delayed flights

Chatterbox

Talk to your partner about what you have learnt this lesson for one minute.



Learning Objective

- To understand what weather is and how it affects human activities.

Success Criteria

- To be able to define weather and climate.
- To identify the different types of weather.
- To examine how weather affects human activities.

