

Unit 4

# WEATHER IMPACTS

## Revision

# Lesson 1: Weather Patterns



# Weather



What the air is like in a certain place at certain times.

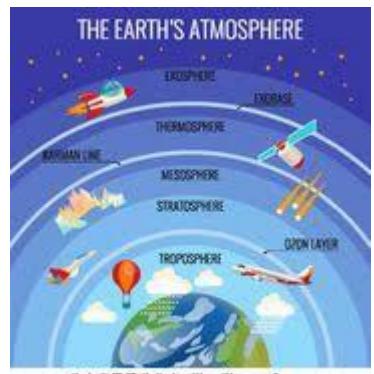
## wind



Moving air

# Vocabulary

## atmosphere

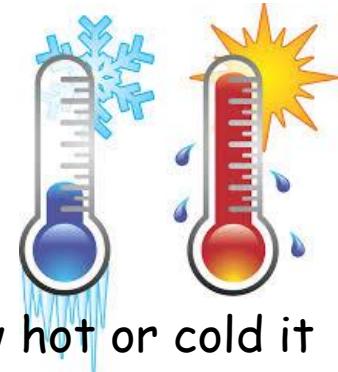


Blanket of gases surrounding Earth



Rain, hail, snow, sleet

## temperature



How hot or cold it is.

## air pressure



gg124724141 GoGraph.com

Weight of air pressing down on earth.

## predict



gg75862343 www.gograph.com

To see what the weather will be like in the future.

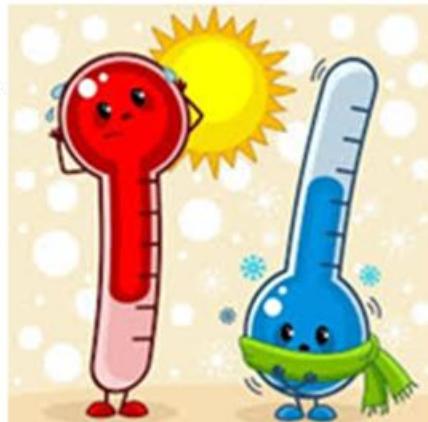
# weather



What the air is like in a certain place at certain times.

# temperature

How hot or cold it is.



# atmosphere



Blanket of gases surrounding Earth .

# precipitation

rain

sleet



hail

snow



**cloud**

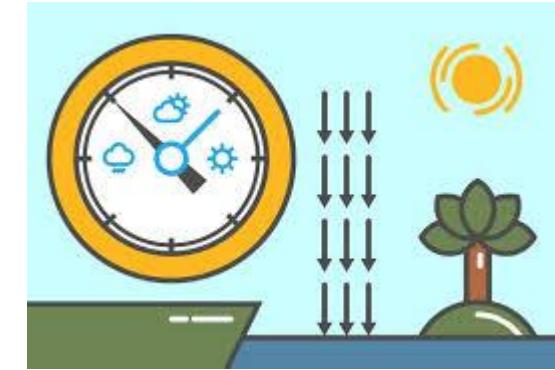
Collection of tiny  
water drops.



**wind**

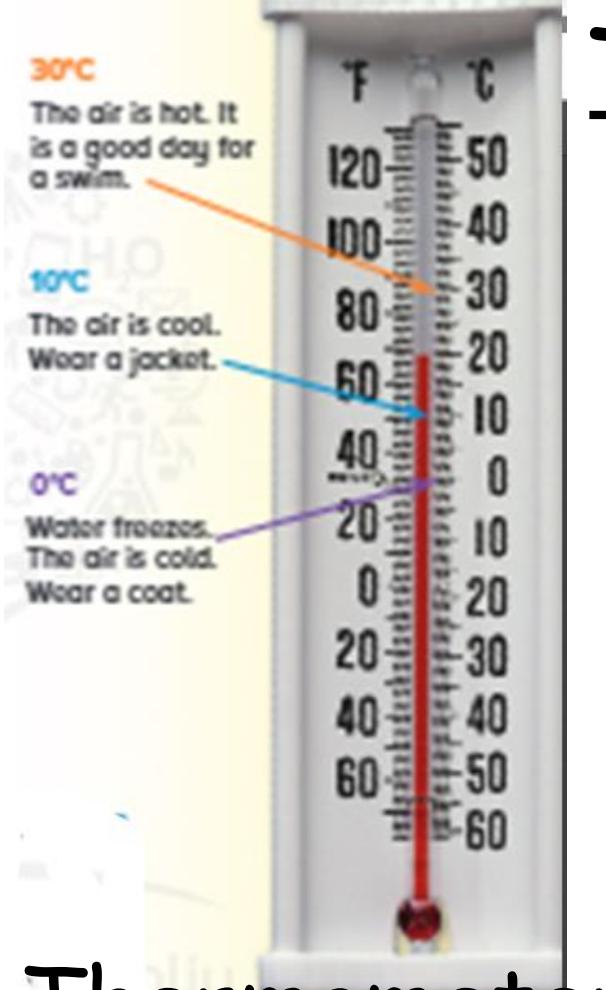


moving air



**Air pressure**

Weight of air pressing  
down on Earth, causing  
temperatures and  
atmosphere to change.



## Thermometer

How **hot** or **cold** it is

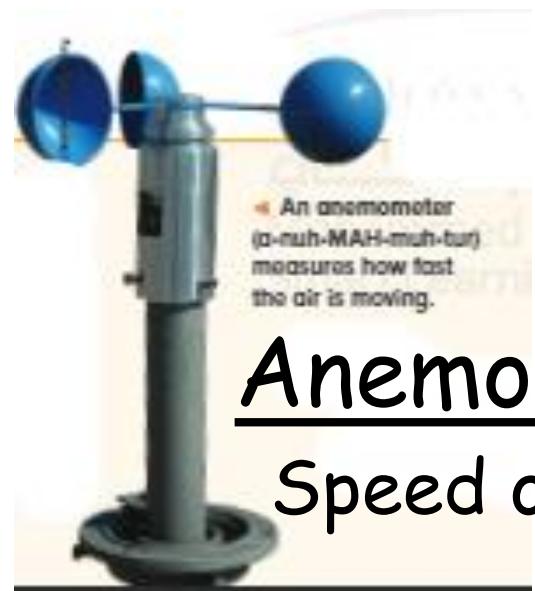
# Tools used to measure the weather



A rain gauge (RAYJUH) measures the amount of precipitation. ►

## Rain gauge

How much did it rain.



## Anemometer

Speed of wind.

## Weather vane

Wind direction.



## Barometer

A barometer (buh-RAH-muh-tur) measures air pressure. ►



Air pressure.

## Lesson 2: Weather and Seasons



# Weather balloon

Carries instruments into the sky to send back information about the weather in the area.



# Satellites

Orbit Earth and record the weather and other conditions on Earth's surface.



# What information can we find on a weather forecast?

## Place

# Weather United Arab Emirates 23 °C

1

# Temperature at the moment.

Weather symbol that describes the weather.

Predicted highest  
and lowest  
temperatures.

# Precipitation (rain).

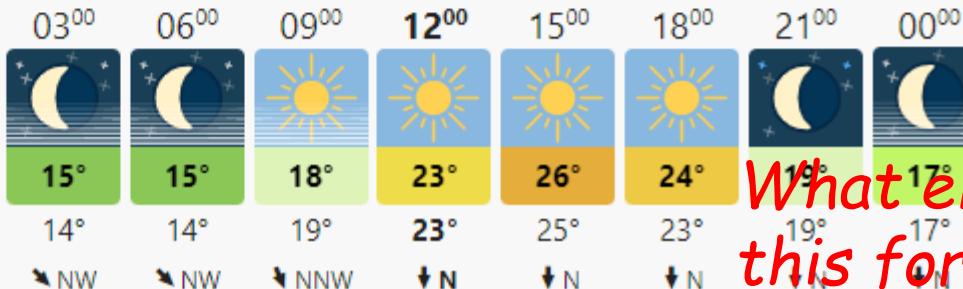
The image shows a weather forecast for the United Arab Emirates. At the top, it says 'Weather United Arab Emirates' with a sun icon and '23 °C'. Below that is a yellow star icon. The location is 'United Arab Emirates, 23.75°N 54.5°E, 96m asl'. The forecast is for the week from Wednesday to Tuesday. Each day has a weather icon (sun, moon, clouds), a high (26-28°C), a low (14-15°C), wind direction (down/up/left/right), wind speed (14-24 km/h), and precipitation (0-11 h). A red arrow points to the 'Today' column for Wednesday, and another red arrow points to the '15 °C' low for Wednesday.

Day	Icon	High (°C)	Low (°C)	Wind	Precip.
Today	Sun	26	15	↓ 14 km/h	0 h
Tomorrow	Sun	28	15	↑ 15 km/h	11 h
1-28	Sun	27	15	↗ 22 km/h	10 h
1-29	Sun	24	15	↙ 24 km/h	10 h
1-30	Sun	25	15	↗ 23 km/h	9 h
1-31	Sun	25	14	↙ 18 km/h	11 h
2-1	Sun	27	14	↓ 17 km/h	11 h

# Predicted weather for the next week.

Speed and direction of the wind.

## Wednesday



# What else can you see on this forecast?

# Vocabulary

## Climate

Climate is the average weather over a long period for a specific place.



## Seasons

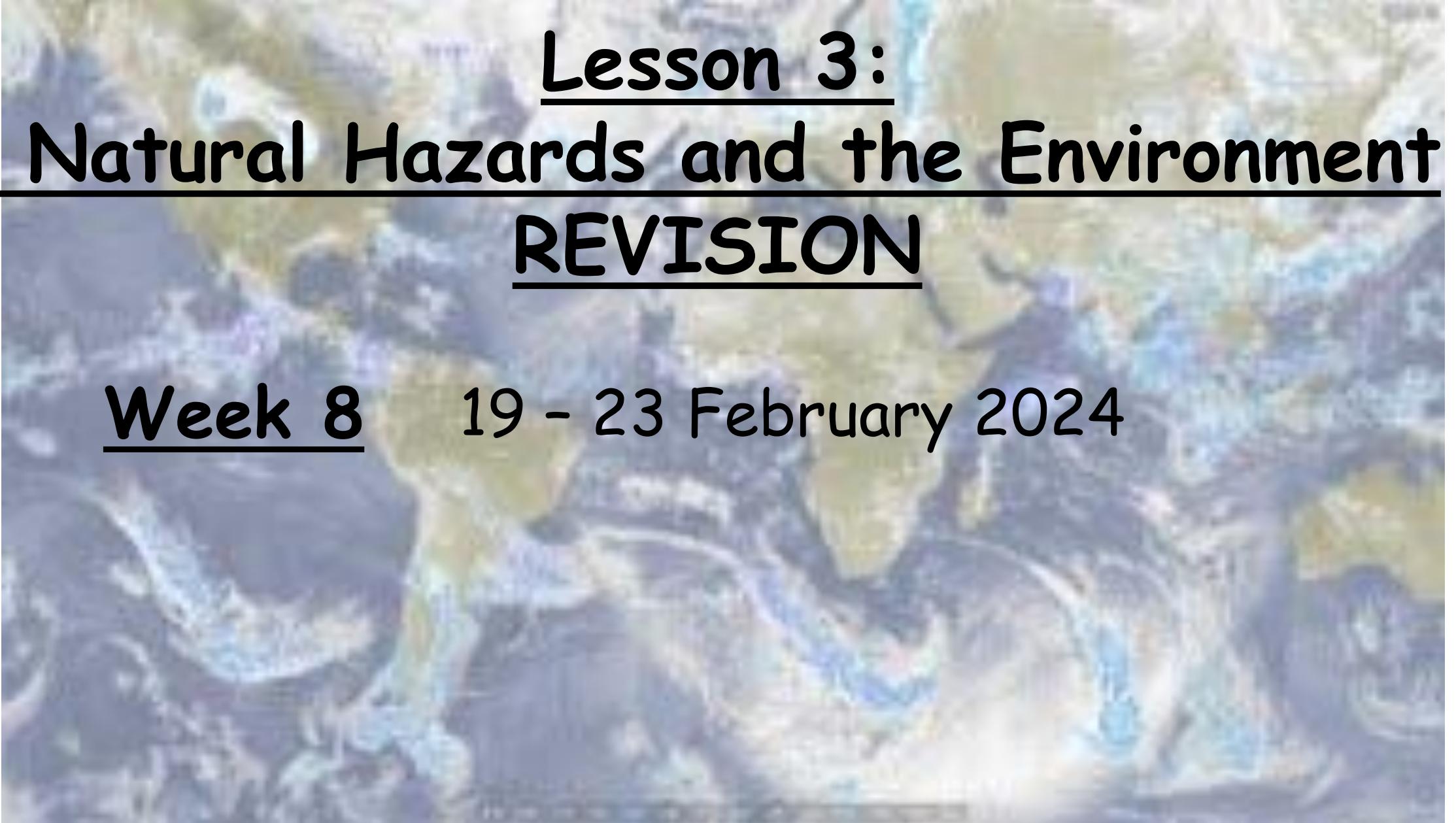
Winter

Spring

Summer

Autumn

Cycle of weather changes in the year.



# Lesson 3: Natural Hazards and the Environment REVISION

Week 8 19 - 23 February 2024

# Vocabulary

hazard



landslide



flood



damage



earthquake



tornado



hurricane



# Earthquake



*Movement in Earths' crust that causes cracks and fast changes in the environment.*

# Landslide

*Fast movement of rocks and soil down a hill or mountain.*



## Flood

Rivers and streams overflow into areas that are usually dry. Floods happen when more rain falls than can soak into the ground.



## Hurricane



## Tornado

Fast rotating column of air (wind) that forms from the bottom of a thunderstorm. Powerful winds move quickly across land.

Great storm that forms over the ocean and moves towards land. Strong winds and heavy rain.