

Weather and the Water Cycle

READ ALOUD PASSAGE

Weather describes what the atmosphere is like at a certain time and place. Temperature, wind, clouds, and precipitation are all parts of weather. Weather changes because the sun heats different parts of Earth's surface unevenly. This uneven heating causes air to move. Clouds form when water vapor in the air cools and collects around tiny particles. Different types of clouds can signal different kinds of weather. Precipitation happens when water droplets in a cloud get heavy enough to fall. Depending on the temperature, it can fall as rain, snow, sleet, or hail. Weather tends to follow patterns by season, though individual days can still vary. Scientists called meteorologists study the weather. They use tools like thermometers, rain gauges, wind vanes, and satellites to collect data and make forecasts.

Activity 1

Fill in the blank with the correct word from the word box.

WORD BOX

weather precipitation wind meteorologist forecast

1. The condition of the atmosphere at a certain time and place is called _____.
2. Water falling from clouds as rain, snow, sleet, or hail is called _____.
3. The movement of air caused by uneven heating of Earth's surface is called _____.
4. A scientist who studies weather is called a _____.
5. A prediction of what the weather will be like soon is called a _____.

Activity 2

Circle True or False for each statement.

1. **True / False** Weather is the same everywhere on Earth at the same time.
2. **True / False** Clouds form when water vapor cools and collects around tiny particles.
3. **True / False** Precipitation can fall as rain, snow, sleet, or hail.
4. **True / False** Meteorologists use tools like thermometers and satellites to study weather.

Activity 3

Because / But / So Complete each sentence three different ways.

Weather changes from day to day because

Weather changes from day to day but

Weather changes from day to day so
