



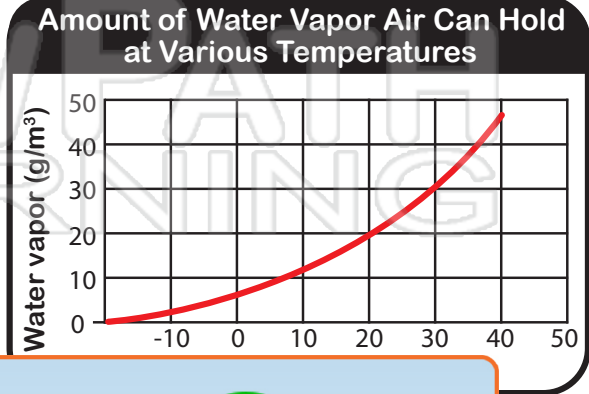
Understanding Weather

Name _____ Class _____ Date _____

The **condition of the atmosphere** at a *specific time* in a *specific place* is known as weather. The **weather** includes and is affected by water, wind, **temperature** and **air pressure**.

Measuring & Predicting Weather

As water evaporates from oceans, lakes and rivers, it is held in the air. The amount of **water vapor** in the air is called **humidity**. **Relative humidity** is a percentage that compares the amount of water vapor in the air with the maximum amount of water



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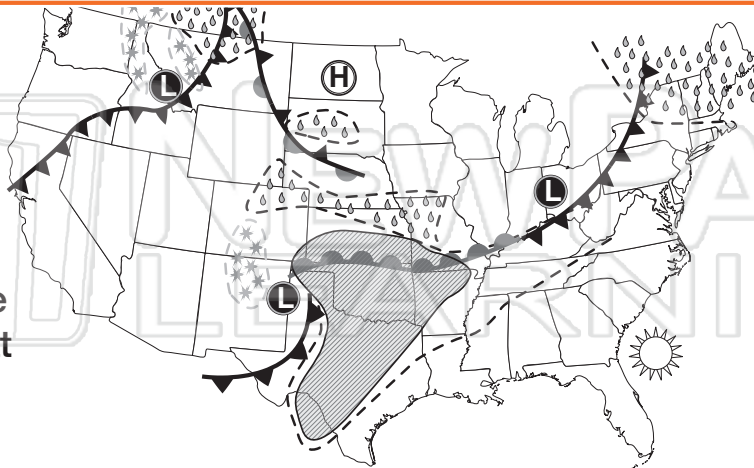
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A **weather map** is a collection of weather data in the form of symbols indicating the weather conditions of a large geographic region at a particular time.



Weather Map Symbols

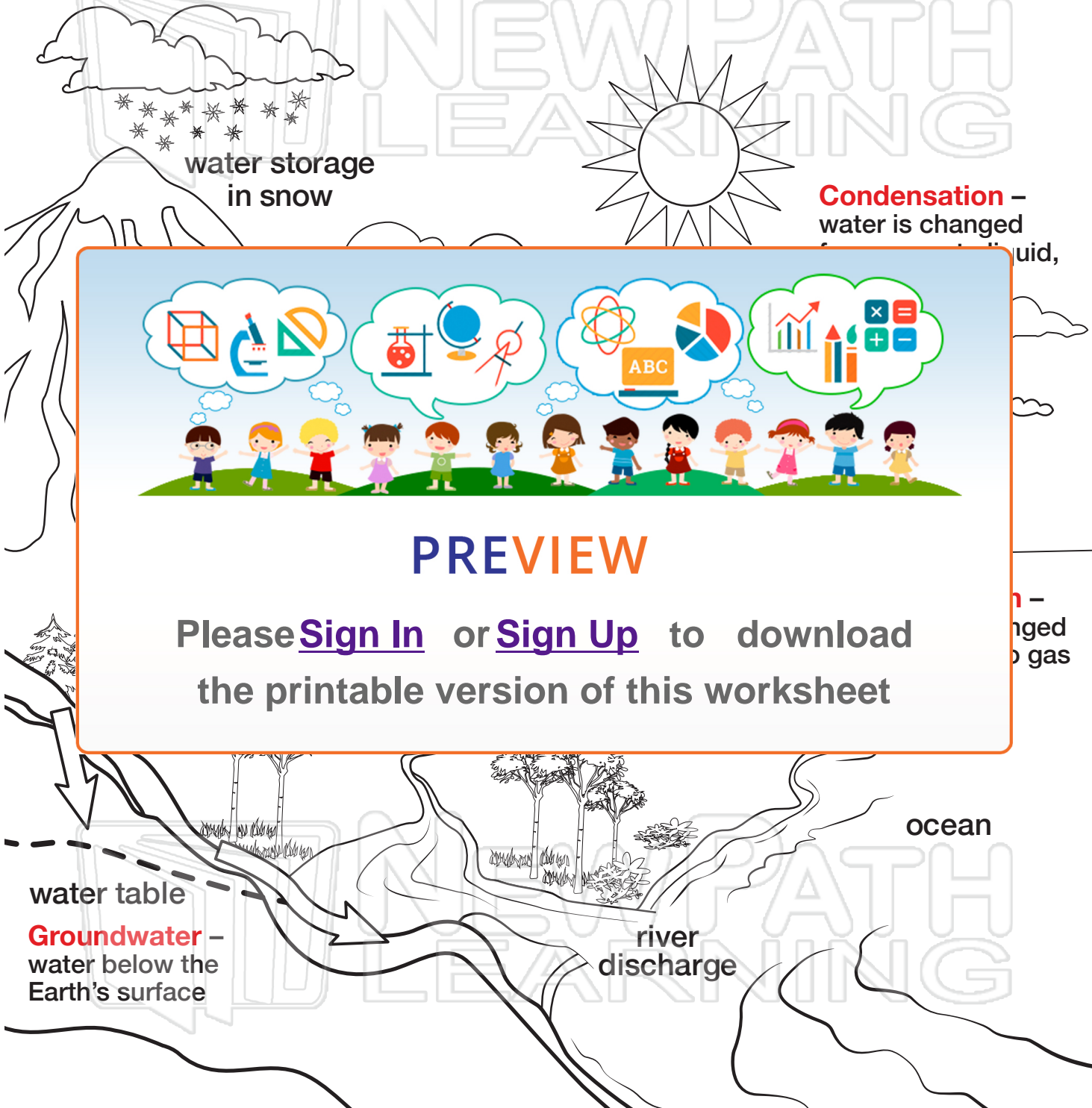
- warm front
- cold front
- stationary front
- high pressure
- low pressure
- rain
- snow
- thunderstorm



Understanding Weather

Name _____ Class _____ Date _____

The continuous movement of water from the Earth's surface to the atmosphere and back is called the **water cycle**. Energy from the Sun heats water causing it to **evaporate**. The largest source of atmospheric **water vapor** is the oceans. This **water vapor** accumulates in the atmosphere and forms **clouds** under proper conditions. Water eventually **precipitates** out of the clouds and falls back to Earth either as rain, snow or sleet.

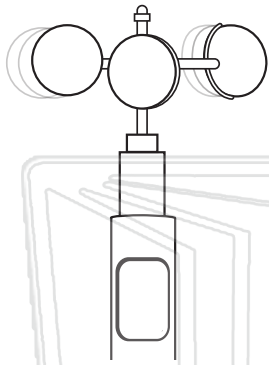




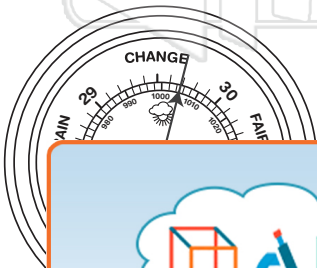
Understanding Weather

Name _____ Class _____ Date _____

Match each weather tool to its names. Describe what it does.



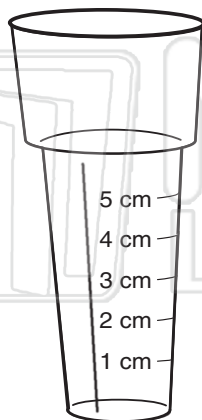
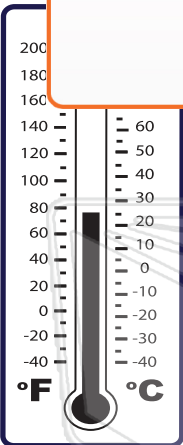
barometer - _____



anemometer - _____

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hygrometer - _____



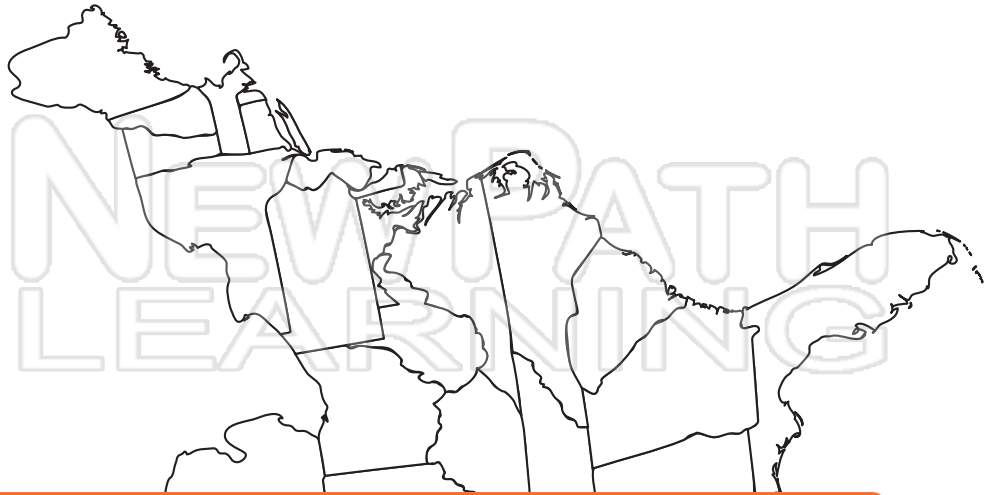
Understanding Weather

Name _____ Class _____ Date _____

Research weather in your area. Draw the weather symbols to create your own weather map.

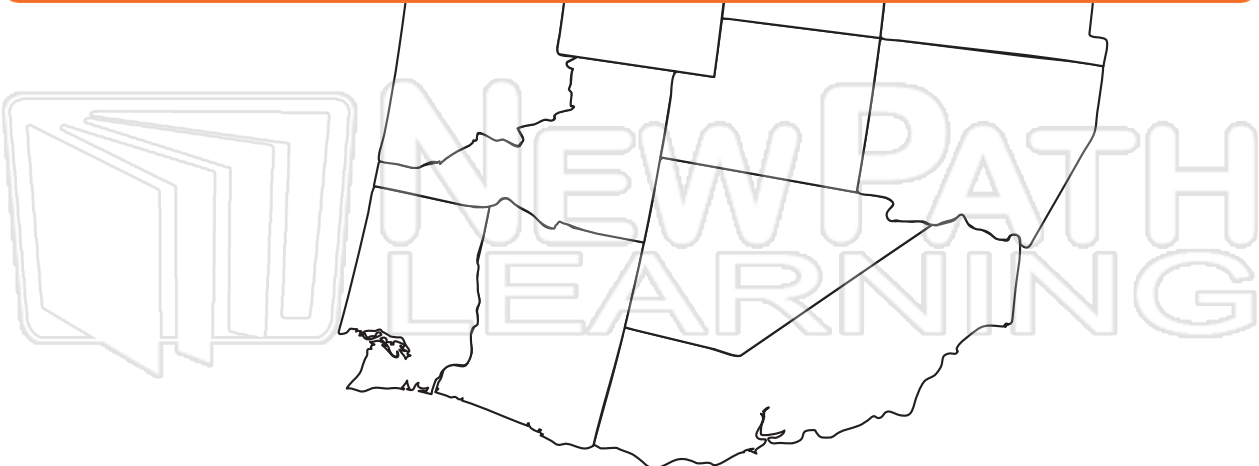
Weather Map Symbols

- warm front
- cold front
- stationary front
- high pressure
- low pressure
- rain
- snow



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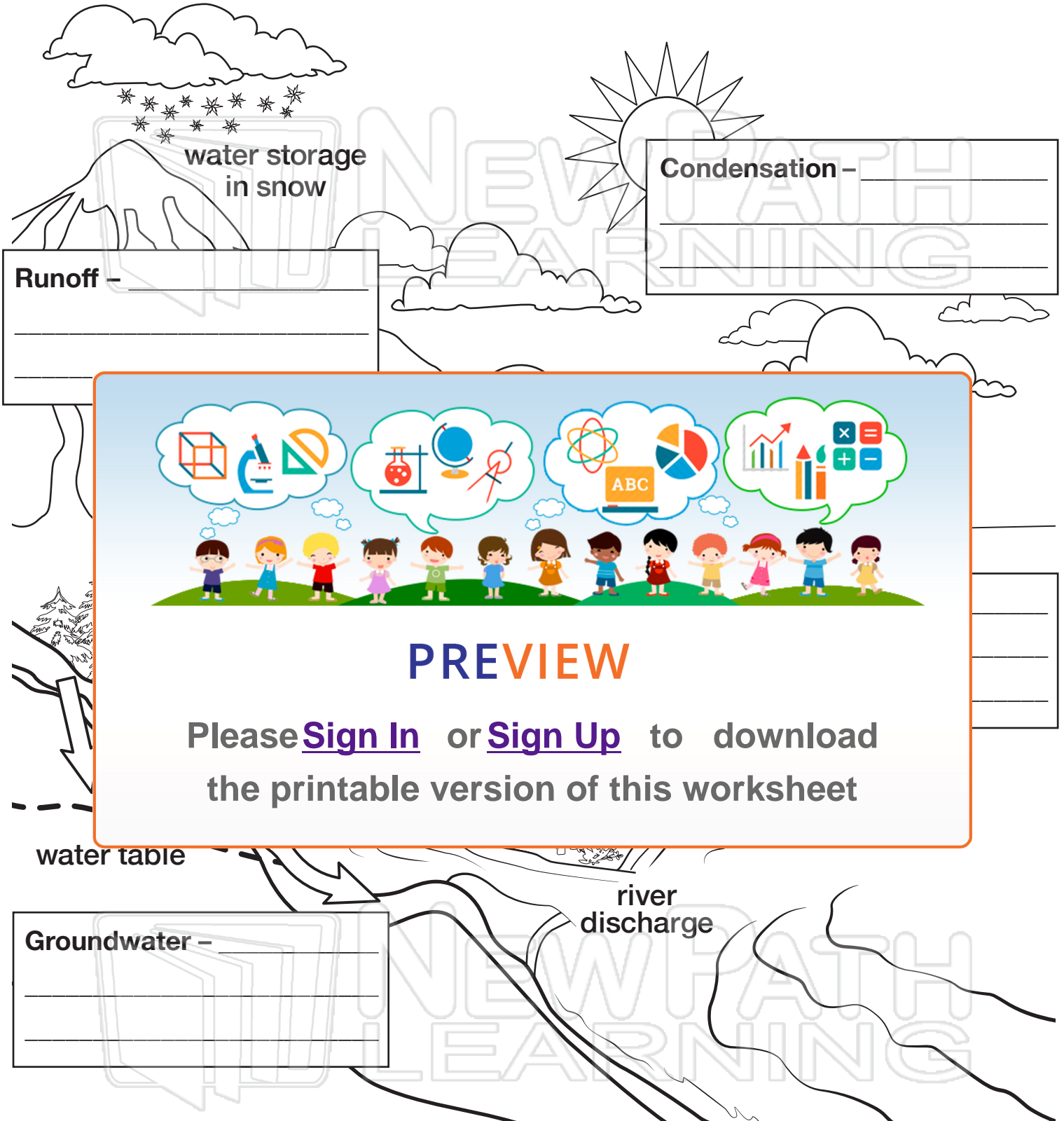




Understanding Weather

Name _____ Class _____ Date _____

Describe or explain each part of the Water Cycle.

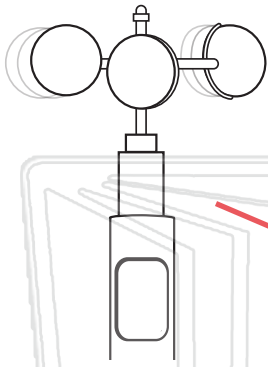




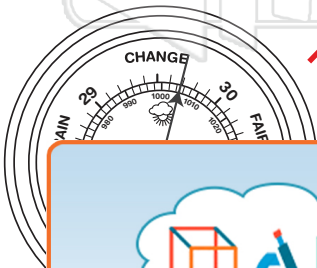
Understanding Weather

Answer Key

Match each weather tool to its names. Describe what it does.



barometer - open-ended
measures air pressure

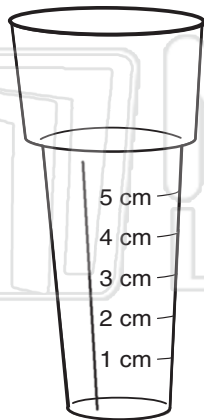
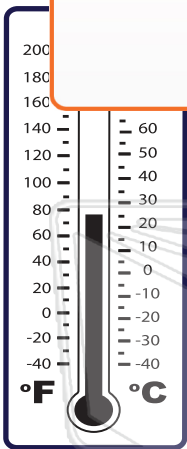


anemometer - open-ended
measures amounts of rainfall



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hygrometer - open-ended
measures humidity in the air



Understanding Weather

Answer Key

Describe or explain each part of the Water Cycle.

