

EARTH'S WEATHER

What is Weather?

Weather is what it feels like outside right now: hot, cold, windy, wet, freezing....

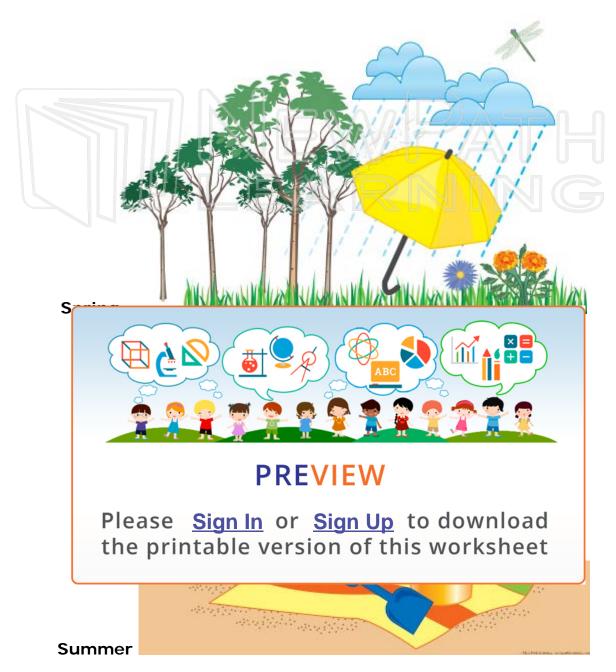
The Sun is the source of energy that creates all kinds of weather.

Weather changes all the time! It might be hot and sunny in the morning but cooler and rainy in the afternoon.

Temperature is how cold or hot something is.







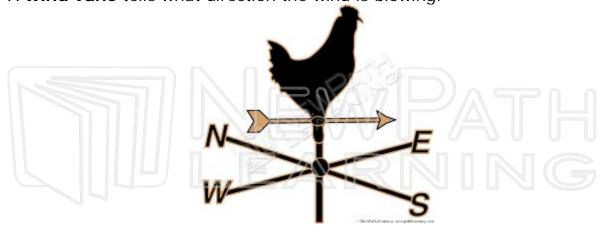








A wind vane tells what direction the wind is blowing.



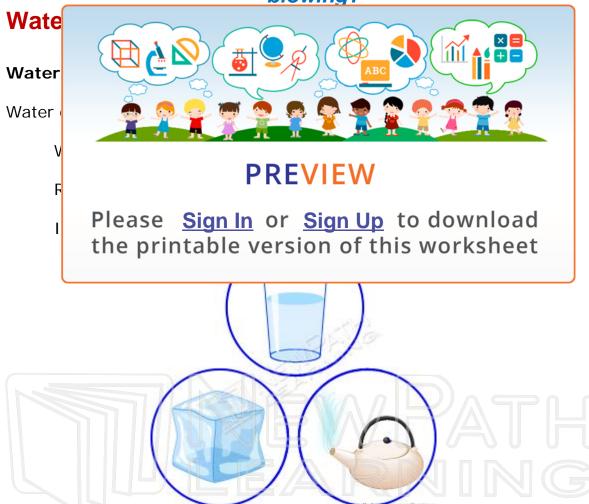
A **snow gauge** tells how many inches of snow fell in a certain time.



A rain gauge tells how much rain fell.



Let's check what we have learned so far:
What tool can you use to tell what direction the wind is blowing?



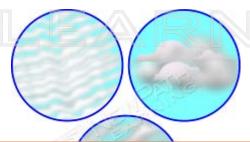
The amount of water in the air is the **humidity**. When it is very humid outside usually the air feels sticky and hot.



What Are Clouds and Rain?

When water vapor (water in the air) cools \rightarrow clouds form in the sky.

Clouds are tiny drops of water together in sky. There are many different kinds of clouds.





Rain cl animal

PREVIEW

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What are some kings of Bag weather?

A **thunderstorm** is a storm that brings rain, lightning, and thunder.

Sleet is freezing rain. It starts out as rain in the sky, but starts to freeze as it falls. When it gets to the ground, it is almost frozen.





Snow is water that freezes high in the air and falls as snowflakes.

A **blizzard** is a lot of snow that falls in a short amount of time.



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