Standard Connection: ELA.RI.PK4.1 ELA.W.PK4.5 M.MD.PK4.2 S.ES.PK4.2 PD.FM.PK4.5

ALL ABOUT BLIZZARDS





Playing in the Snow





Too Much Snow



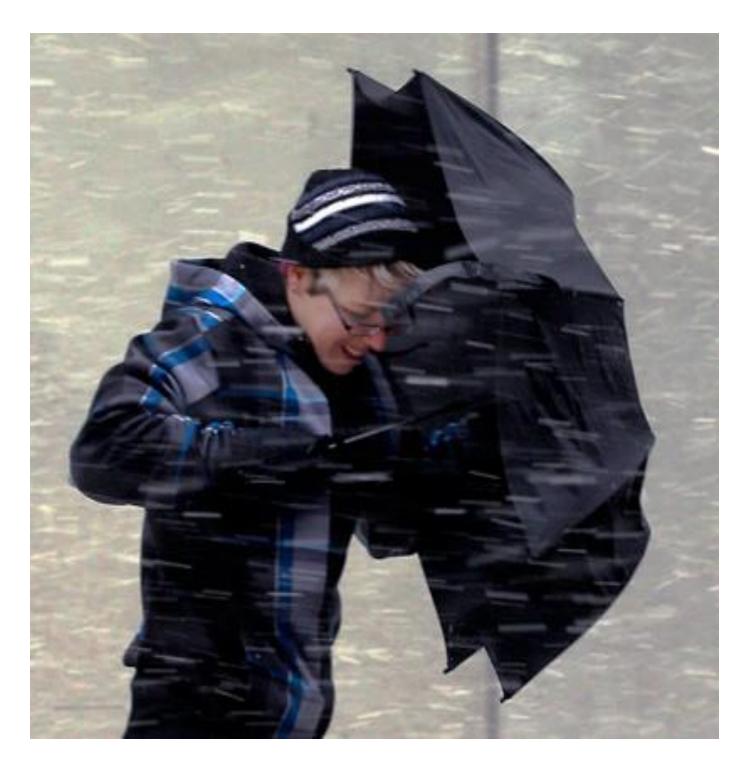


Sometimes it snows really fast.





Blizzards make it hard to walk.





When there is a blizzard, it is best to take shelter and stay safe inside.





Blizzards make it hard to drive.





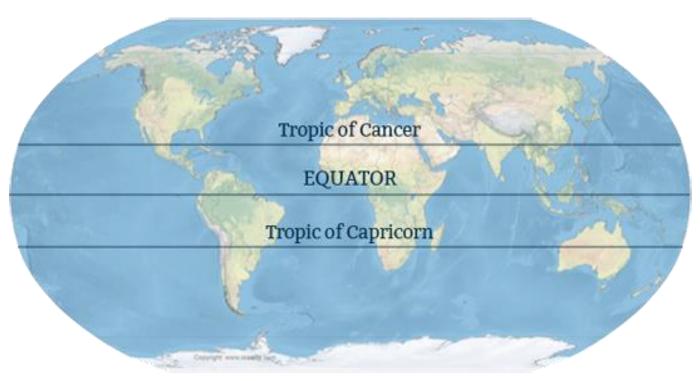
ALL ABOUT HURRICANES



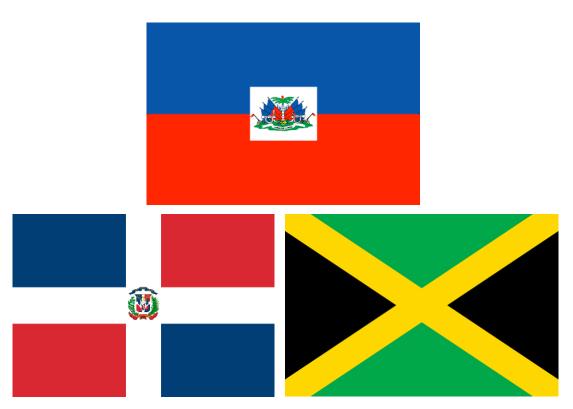




Hurricanes form in a part of the world called the tropics.



Haiti, The Dominican Republic, and Jamaica are tropical countries.





A hurricane needs two ingredients: First, it needs warm ocean water.



Second, it needs wind.





A hurricane begins with a thunderstorm over the ocean.



The thunderstorm becomes bigger. Now it is called a tropical depression.





The thunderstorm spins in a circle. Now there is an area in the center of the storm called the eye.



When the storm is going as fast as it can, it is called a hurricane. It moves over land and has winds so strong they can knock down trees and buildings.





There are five kinds of hurricanes. Category 1 is the weakest, and category 5 is the strongest.

Category	Wind Speed (mph)	Storm Surge (feet)	Damage
1	74-95	4-5	Minimal
2	96-110	6-8	Moderate
3	111-130	9-12	Extensive
4	131-155	13-18	Extreme
5	155 +	18 +	Catastrophic



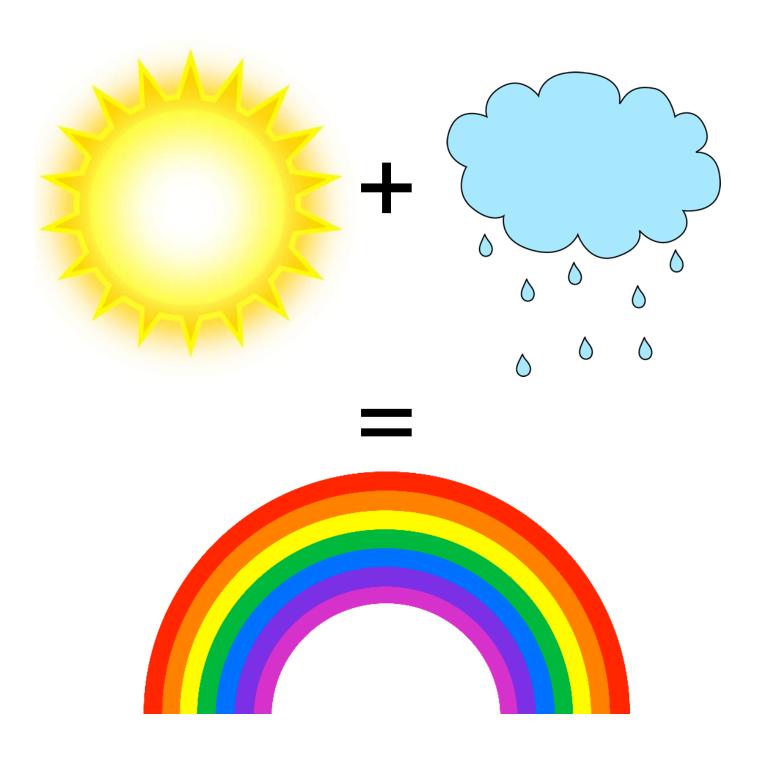
ALL ABOUT RAINBOWS





You need two things to make a rainbow.

You need sunlight and rain. Sunlight is special. It is made of seven colors.





To turn sunlight into a rainbow, you need to break the sunlight apart. A prism is a tool that breaks sunlight into its seven colors.



When sunlight hits a prism, it is broken into red, orange, yellow, green, blue, and indigo.





A raindrop is a kind of a prism.

After it rains, some raindrops stay in the air.





When the sun shines and hits these raindrops, they break the sunlight apart and create a beautiful rainbow.





ALL ABOUT THUNDERSTORMS





A thunderstorm is heavy rain with thunder and lightning.



In a thunderstorm, frozen raindrops in clouds bump into each other and make electricity.





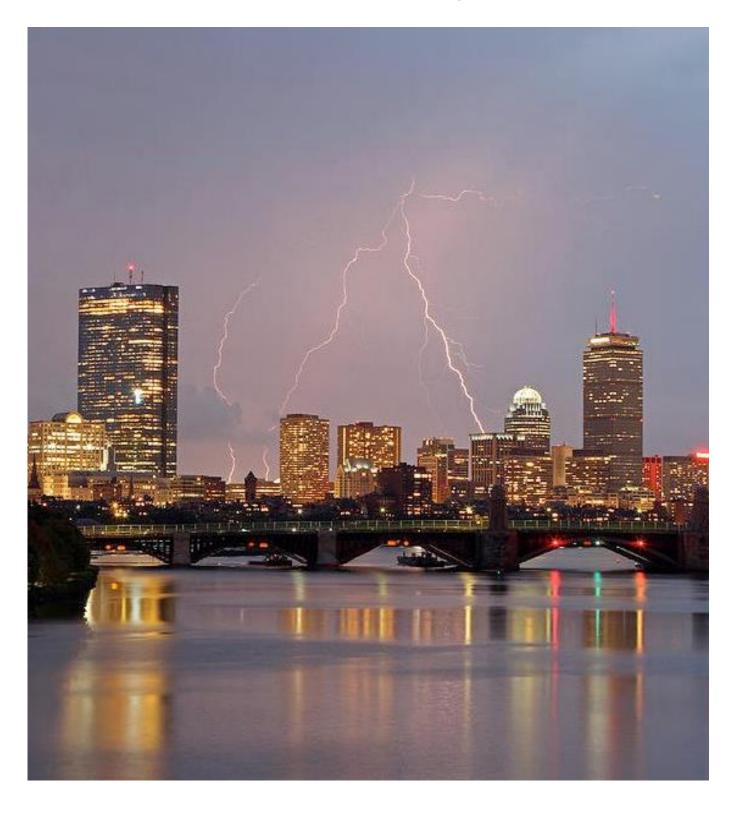
Sometimes this electricity tries to reach the ground. When it does it makes a bright flash of light. This is called lightning.





When lightning travels toward the ground, it pushes air out of the way. This makes a loud cracking or rumbling sound called thunder.

There are different types of thunderstorms. Single cells are the weakest and super cells are the strongest.





ALL ABOUT TORNADOES





Sometimes during a thunderstorm a tornado can form touching the clouds and the land.



A tornado that touches clouds and the water is called a waterspout.





A tornado, called a funnel cloud or twister, is made from wind that spins very fast.







A tornado is dangerous, and you have to seek shelter in a safe place away from windows.

A tornado can cause a lot of damage.





NOW YOU CAN MAKE YOUR OWN TORNADO!

You will need:

- 2 empty plastic containers, such as water bottles.
- Duct tape
- Water

Instructions:

- 1. Fill one empty container ³/₄ full with clean water.
- 2. Add glitter or food coloring. (Optional)
- 3. Place the empty container on top of the container with water.
- 4. Seal the container tightly with duct tape.
- 5. Move the bottle rapidly in a circular motion. After a few seconds, you should see the water creating a funnel.

