



# All About Blizzards



Sometimes in the winter it snows.





Snow can be fun for playing.



Sometimes it snows too much.





Sometimes it snows really fast.





Sometimes it snows so much that you can hardly see.  
This kind of snow is called a blizzard.





Blizzards make it hard to drive.



Blizzards make it hard to walk.





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

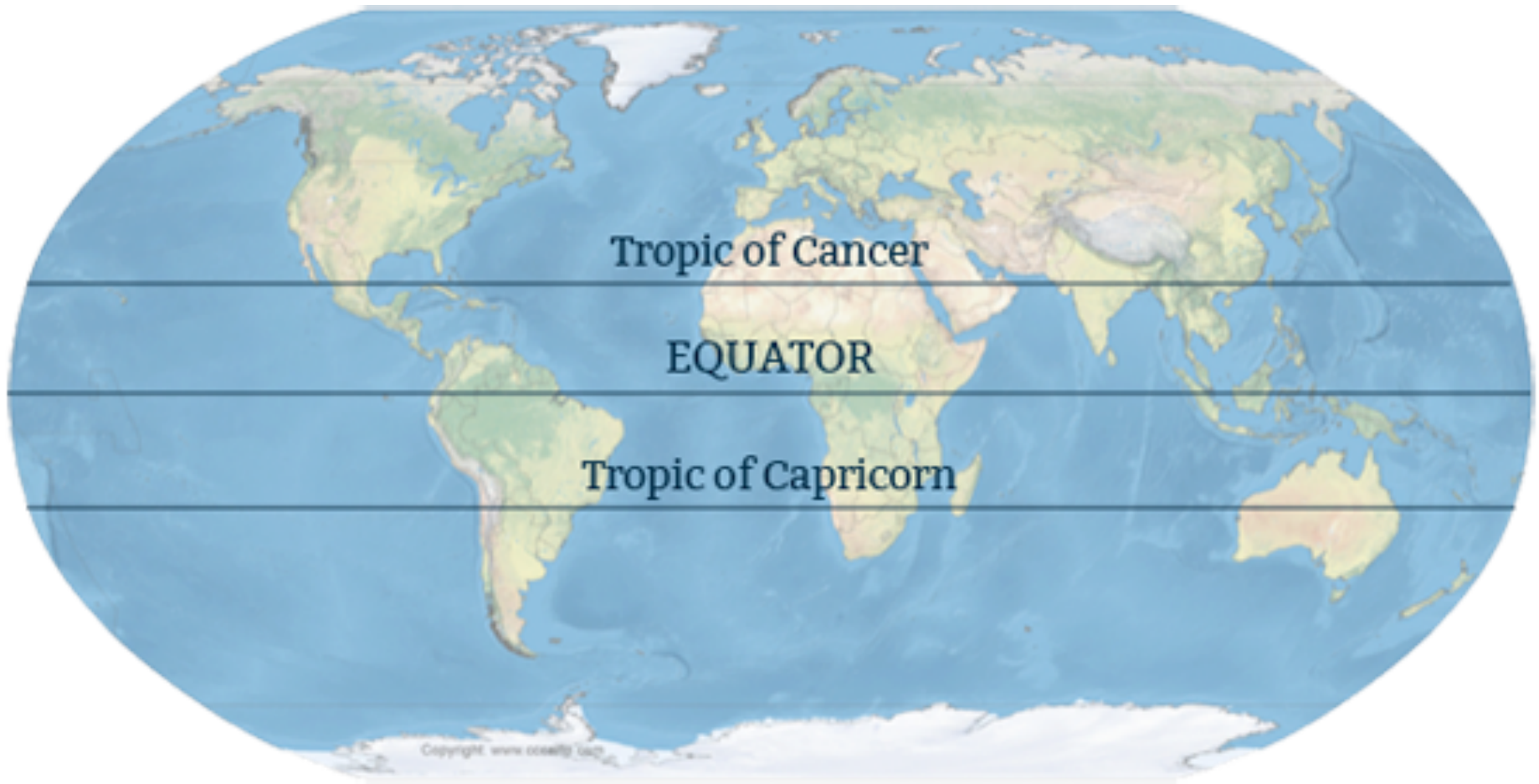


# All About Hurricanes



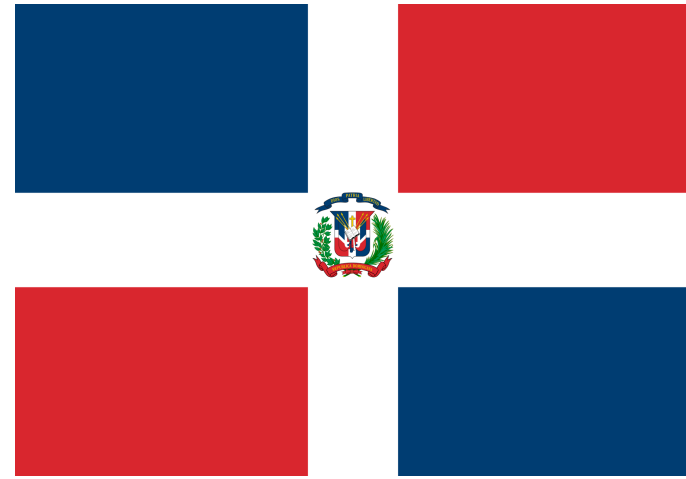


A hurricane is a huge storm with strong winds and rain.



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.

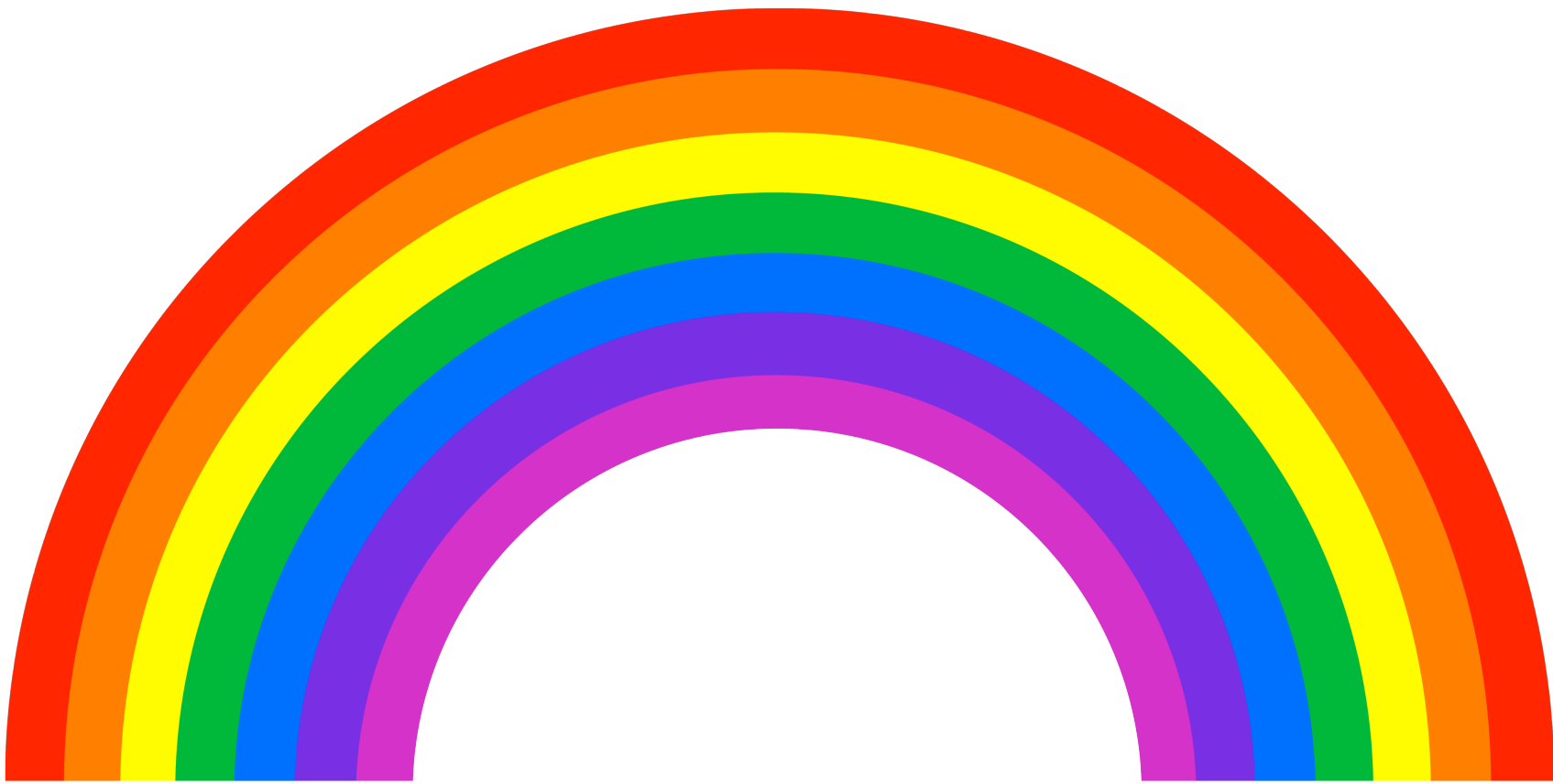
| Category | Wind Speed (mph) | Storm Surge (feet) | Damage       |
|----------|------------------|--------------------|--------------|
| 1        | 74-95            | 4-5                | Minimal      |
| 2        | 96-110           | 6-8                | Moderate     |
| 3        | 111-130        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

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



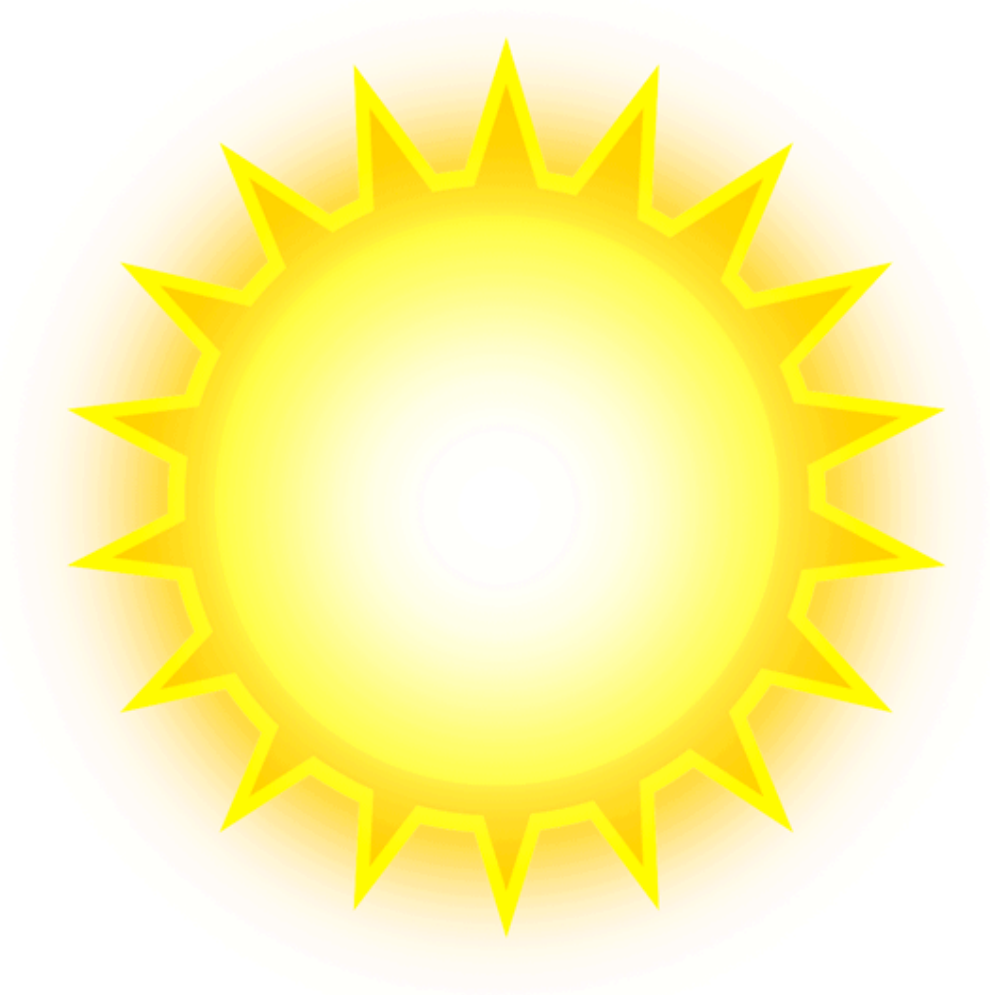


# All About Rainbows

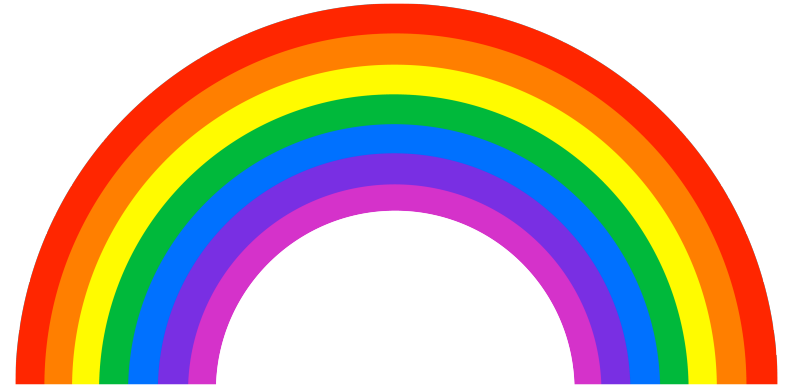
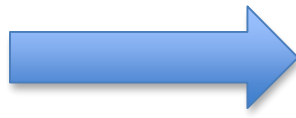


You need two things to make a rainbow.



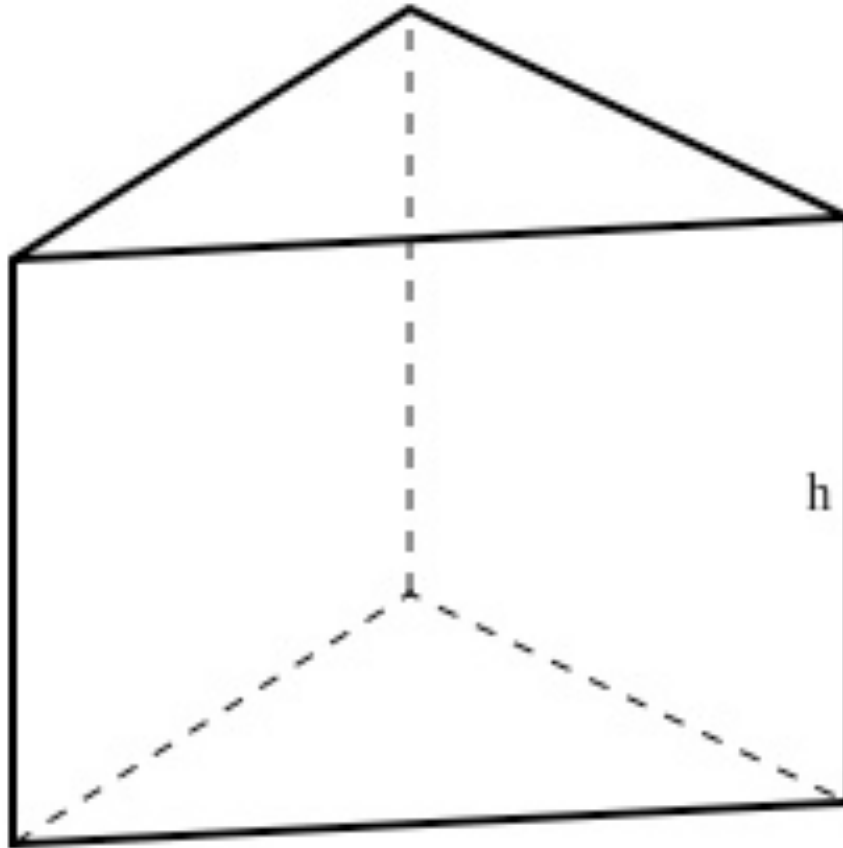


You need sunlight. Sunlight is special. It is made of seven colors.

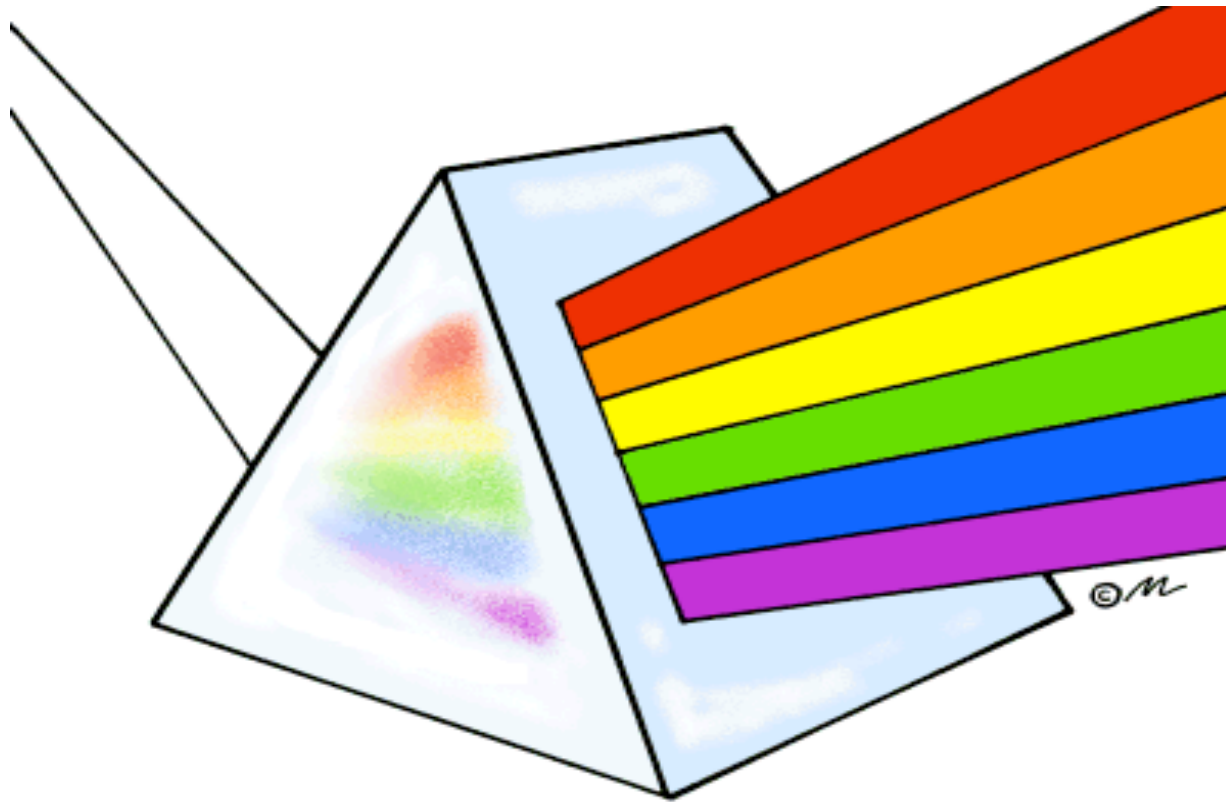


To turn sunlight into a rainbow, you need to break the sunlight apart.





A prism is a tool that breaks sunlight into its seven colors.



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



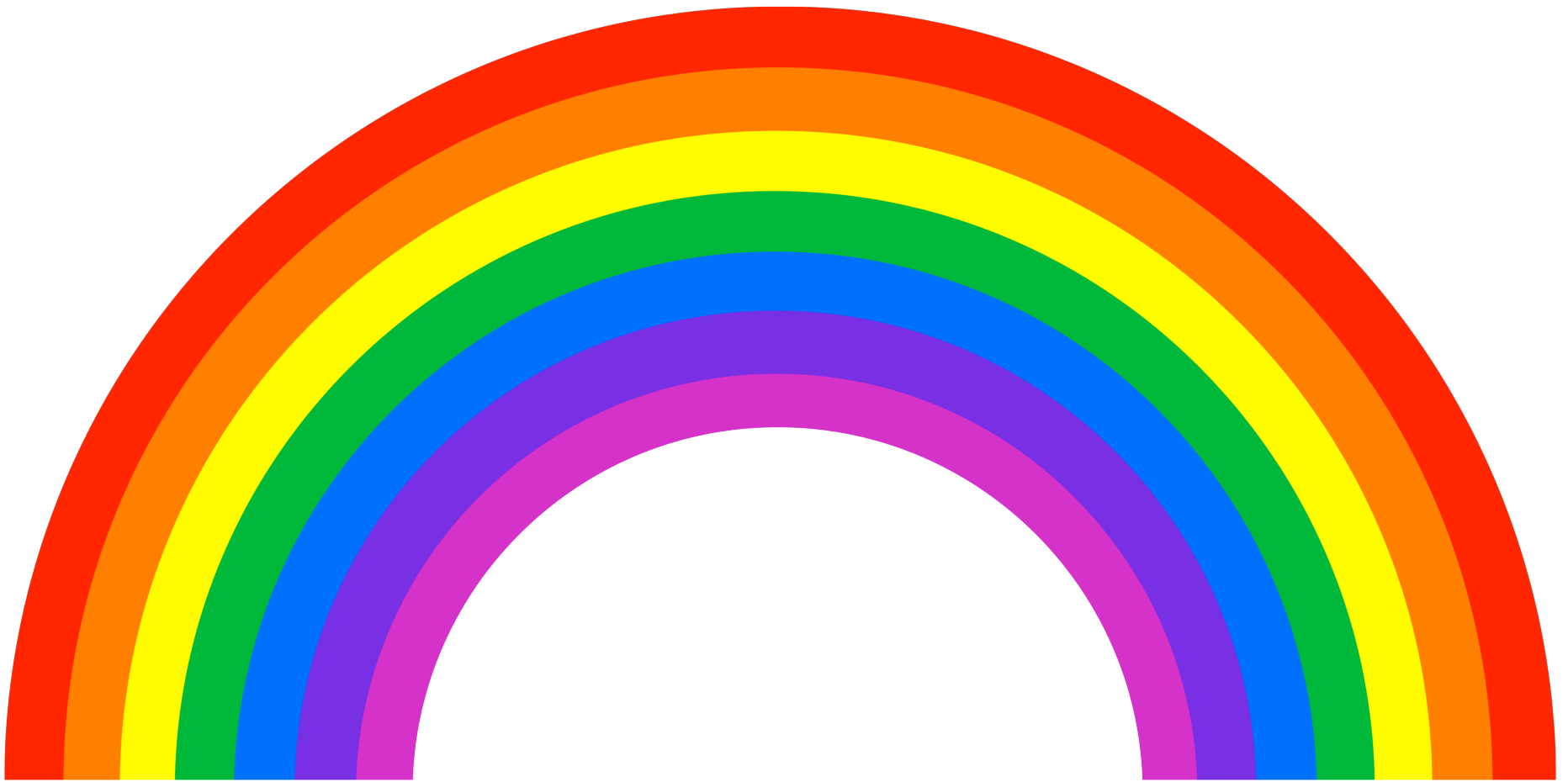


A raindrop is a kind of a prism.



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.