

## **Did You Know?**

**A cloud is actually a large group of tiny water droplets that we can see in the air.**

**Clouds are formed when water on Earth evaporates, goes up into the sky and condenses in the cooler air.**

## **Did You Know?**

**There are different types of clouds. Stratus clouds are flat and look like layered sheets. Cumulus clouds are puffy and look like cotton balls. Cirrus clouds are very thin and wispy looking.**



## **Did You Know?**

**Fog is actually a type of a stratus cloud that appears very close to the ground.**





## **Did You Know?**

**Lightning is a burst of electricity that happens during a thunderstorm. Rain and/or ice moving inside a thundercloud create an electrical charge that is unbalanced. Lightning is what happens when it balances itself.**



## **Did You Know?**

**Lightning can take place inside clouds, between clouds or from clouds to the ground. Only about 25% of lightning strikes are between clouds and the ground.**



## Did You Know?

The science of lightning is called *fulminology* and the fear of lightning is called *astraphobia*.



## **Did You Know?**

**Thunder is the sound that lightning makes. It usually comes after the lightning because the speed of light travels to us faster than the speed of sound.**





## Did You Know?

**Cherrapunji, India holds many records for rainfall. One of those is the world record for the most rainfall in a 48 hour period. 98.15 inches of rain fell on June 15<sup>th</sup> & 16<sup>th</sup> in 1995. That is over eight feet of rain in two days!**





## Did You Know?

**Rain can occur on other planets in our solar system too, but it doesn't look the same as it does on Earth. For example on Venus rain is made of sulfuric acid and because Venus is so hot, it evaporates before ever touching the surface.**



## **Did You Know?**

**Rainbows are created by the reflection and bending of light in water droplets in our atmosphere. The reflection and bending of light in the water shows up as different colors to us.**



## **Did You Know?**

**Rainbows are not something that can actually be touched. The water droplets that help to create the rainbow can sometimes be felt, but the rainbow itself is simply a trick of light.**





## **Did You Know?**

**There are also “moonbows” and “fogbows” that are created from light and/or water. Both of those types of “bows” show up as mostly white, but all of the colors are actually there - just very light.**