

DID YOU KNOW?

Amazing Scientific Facts

There are SO many amazing scientific facts to know! You may learn new and exciting facts related to science everyday! When you hear a new fact, share it with a friend, teacher, or family member. They will be glad you did!

Here are some facts you may or may not know.

Your Body: DID YOU KNOW?

Viruses use plant and animal cells to reproduce and make more viruses. They can not reproduce on their own. When you are sick, viruses use your OWN cells to help spread the virus around your body. Not very nice, but it's true. Good thing you have your army of white blood cells!

The **digestive tract** is one of the largest systems in a human body and is, from mouth to anus, approximately **30 feet, or about 9 meters**, in length.



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There are over **600 named muscles** in the human body. Your **HEART** is considered a muscle, a cardiac muscle.

The **largest bone** in your body is your femur, which is your thigh bone.

Plants: DID YOU KNOW?

If you make a mark on the **trunk of a tree**, it will remain the same distance from the ground! Interesting huh? Trees grow in height through the elongation of the tips of their branches, meaning they grow from the top of the branches and trunk up.



Cotton clothes, many medicines, rope, string, rubber, dyes, and paint are all made from PLANTS.

Giant Sequoia trees are among the **tallest** (can grow up to 250 feet), **widest**, and **fastest** growing trees in the world.



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Caterpillars & Worms: DID YOU KNOW?

Caterpillars are food for many animals. Look at the picture below. The Viceroy moth caterpillar uses mimicry to trick its predators into thinking it is a Monarch butterfly, which has poison to protect itself. Don't they look a lot alike?



Viceroy



Monarch

Worms are invertebrates. Finding worms in your garden is a GOOD thing; it means the soil in your garden is healthy.

Animals: DID YOU KNOW?

The **ostrich** holds many bird records such as being the tallest bird, the heaviest bird, and the only bird that cannot fly.



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The **largest animal** living today is the blue whale which on average grows to be about 80 feet, or 25 meters, long.



A rabbit is an herbivore, meaning it only eats plants. A fox is a carnivore, since it only eats other animals. Did you know a big ferocious bear is an **omnivore**, meaning it eats plants and other animals?

Natural Disasters: DID YOU KNOW?

The top four largest recorded earthquakes in the United States, including one with a magnitude 9.2, all occurred in the same state, Alaska. The largest US earthquake occurred in 1964 in Prince William Sound, Alaska. The other top four US largest earthquakes struck Alaska in 1957, 1965, and 1938.

Earth: DID YOU KNOW?

Earth is estimated to be between 4-5 **billion years old**.

The deepest spot in all the oceans is called the **Mariana Trench** in the Pacific Ocean and is approximately 35,797 feet or 10,911 meters deep.

Angel Falls in Venezuela is the **largest waterfall** in the world, dropping water from 3,212 feet (979 meters).

Based on the average number of rainy days received in a year, the place that has the **most rainy days in a year** in the world is Mt. Wai-'ale-'ale in Hawaii which has over 350 days of rain each year.

The **lowest t**
July 21, 1983

Solar System
Jupiter is the
other planets

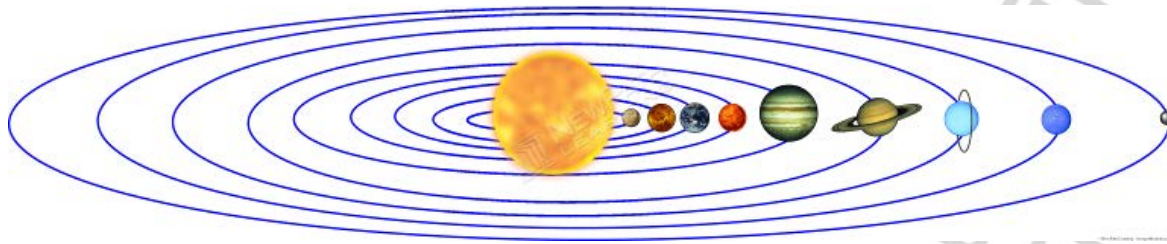
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Antarctica on

that all the



Pluto used to be classified as one on the nine planets in the solar system, but in 2006 scientists classified it as a **dwarf planet** instead.



Matter: DID YOU KNOW?

When **dry ice** changes states it goes from being a solid directly to being a gas, carbon dioxide.

Gravity: DID YOU KNOW?

A mechanical pencil depends on gravity to work. The lead inside a mechanical pencil drops into place because of gravity; without it the lead would **not drop down** as it needs to for the pencil to work properly. So a mechanical pencil would not work in space, which is good to know if you're an astronaut.

Electricity:

Electricity tr

Lightning re
than the surfa

Light: DID

The word **laser** is an acronym for **L**ight **A**mplification **S**timulated by **E**mission of **R**adiation. A laser is a device used to concentrate light into a narrow beam. Lasers are used by doctors during surgery, in CD players, in DVD players, and many other areas as well.



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even hotter



Light
Amplification
Stimulated by
Emission of
Radiation

Sound: DID YOU KNOW?

Sound waves travel 1,088 feet per second. **Light travels** at the speed of 186,000 feet per second. This explains why we see lightning before hearing thunder.