Fun Facts about Stars and the Life Cycle of a Stars and the Sun

What if there was no sun? What if there were no stars? What would we do? We would not be able to exist because there would be no sunlight to grow crops.

The Life Cycle Of A Star

Astronomers have always looked at the stars. They were always curious about their life cycle, while they have found out more information about it. They have found out that stars are created in dust clouds. The dust clouds are called a nebula. They are very fascinating to astronomers.

Have you ever wondered how the stars keep shining all their life. Well everyone has if they have ever thought about stars. They are powered through nuclear reactions that keep the star going through its life. These reactions are made through the core of the star. Have you ever wondered why the bigger stars die faster? I know I have. The bigger stars die faster because they don't have enough fuel to burn for longer. That fuel is not gasoline or fossil fuels.

Everyone needs to know how the big stars die so I will tell you. They end up going with a big BOOM. The only things that could be left after that could be a neutron star also known as pulsars, or if they are very big, the could collapse and turn into black holes.

All of the astronomers have wondered how the little stars die so I will tell you. The little stars go through a phrase all through their life called a planetary nebula. The stars will eventually become white dwarfs. When they run out of fuel they will cool down to become a brown dwarf.

The Sun

For everyone wondering what the sun is let me tell you the sun is a STAR. Everyone who has thought about the sun has wondered about how long it has burned, what it has made of, if other stars are this size or more, and how it makes energy. I have always wondered what makes the earth's weather. To answer everyone who has wondered about how long the sun burned the astronomers believe the sun has burned for 4½ billion years (WOW). What makes up the sun is superheated hydrogen and helium gas. Wow that must be super-hot if it stays very close to the sun. What the sun is powered by is nuclear fusion (It releases energy) and it transfers it to the surface of itself. For everyone that is wondering if the sun is the same size as other stars. To answer that question surprisingly it is about the same size of other stars. The reason earth has

weather is because the sun makes it for us. Colors and how it relates to a star To all of you readers I am here to tell you that if the star is very hot it will be in the blue area of the color spectrum. You would think it would be red but let me tell you that is not the case. In fact the cooler stars are actually red. I know because I was surprised at that too. The truth is the hotter the star the more ultraviolet the color will be. That means it will be more in the blue area.

Scientist who discovered stars, for everyone who is wondering about the people who gathered info and who discovered stars, the person who discovered the first galaxy was called Azophi to Westerns. He made the discovery of the Andromeda galaxy. It was a group of stars outside the Milky Way. Nicolaus Copernicus showed some people a model of our solar system that showed the Earth going around the sun. Constellations Have you ever stared at the sky at night and seen patterns showing. This would work best if you are in the country. Well little do you know they are many patterns like this in the sky. They are called constellations. There are about 88 of these patterns. Our ancestors used the patterns of the brightest stars to get around in the sky at night. We know people 5,000 years ago saw the exact same patterns as we do know. That shows they have not changed at all from that time to 5,000 years ago. Have you ever wondered how far apart the stars in the sky are. Well I will tell you. They are very far apart from each other but since they very far from us they look like they are very close. If you have ever looked at the constellations it would seem like one constellation points to the other.

Fun Facts About Stars:

- One fun fact you might not believe is that every star you can see is much bigger and glows brighter than our sun. The sun looks the brightest and biggest because it is the closest star to us.
- Another interesting fun fact is you can’t see 1 million stars in the sky at one time.
- The next fun fact is the color red doesn’t mean hot in space it means cool. So, if you look at a red star that means the star is cool not hot. If the star looks blue that means it is hot.
- The forth fun fact is stars have black bodies. Another fun fact is there are no green stars. That means not many stars look green and if they do it is because of your telescope.
- The next fact is our sun actually is a dwarf star. What you may not know is stars don’t actually twinkle. You can at least see 20 quadrillion miles into space.
- The last fun fact is black holes don’t suck they just use gravity to pull stars and space junk into them. The sun is the star that provides the conditions to live on Earth.

If you don’t care about the sun why don’t you take my advice and start caring. You should care about the stars and the sun because they provide us with what we need to live. If there was no sun we wouldn’t be able to grow crops or see sunlight ever if we stayed on Earth.