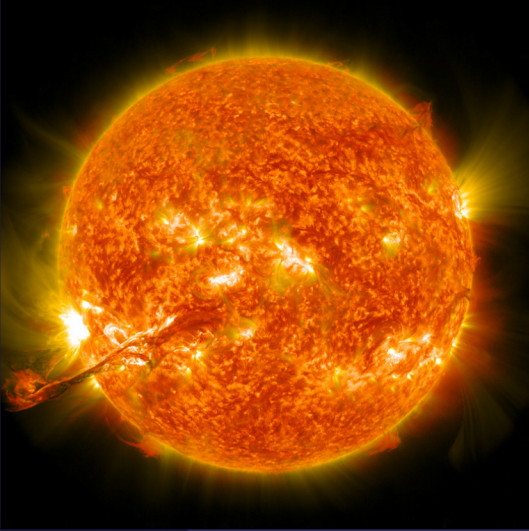
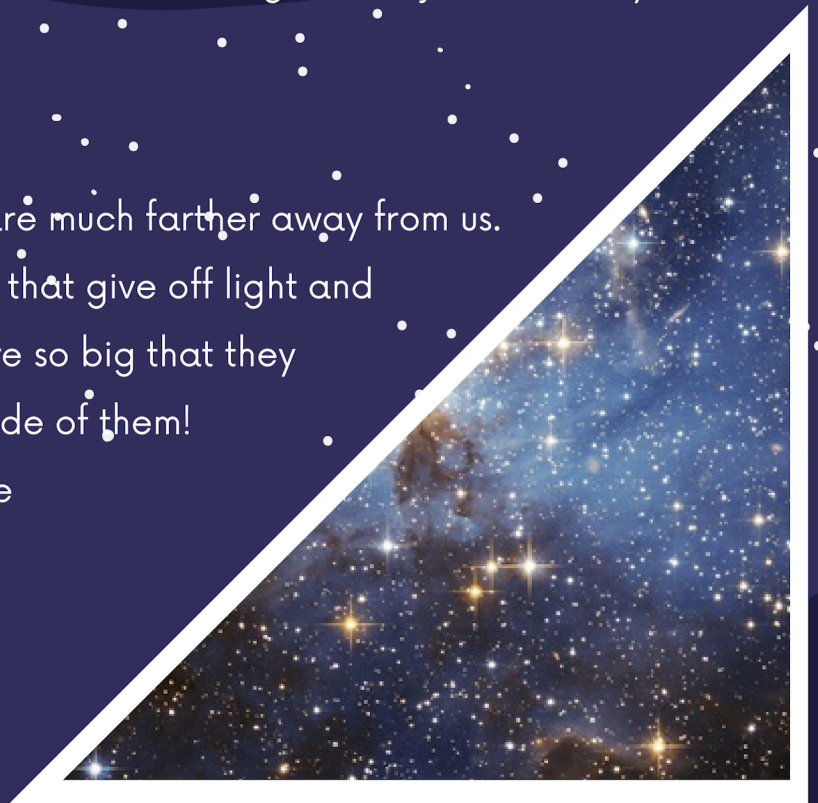


THE SUN AND STARS



The sun is a giant, glowing ball of gas at the centre of our solar system. It is incredibly important to us because it gives us light and heat, which are essential for life on Earth. The sun is the closest star to Earth and is also the brightest object in the sky.

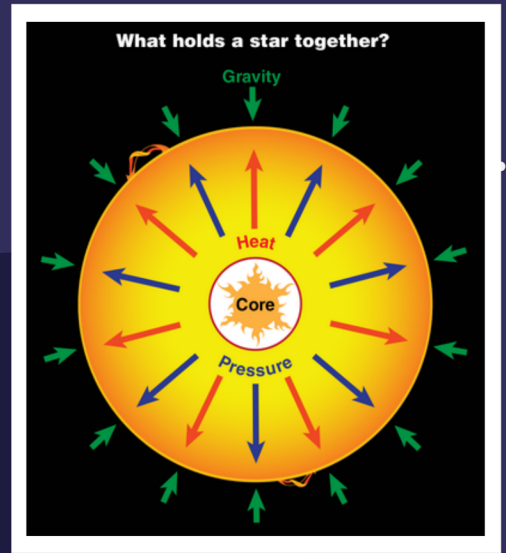
Stars are like the sun, but they are much farther away from us. They are also giant balls of gas that give off light and heat. Some stars, like the sun, are so big that they could hold millions of Earths inside of them! At night, we can see some of the closest stars as tiny points of light in the sky.



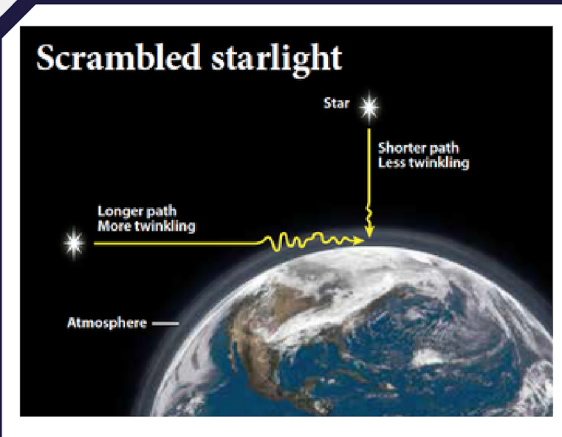
Scientists have discovered that there are billions and billions of stars in our galaxy, the Milky Way. Each star is unique and has its own special characteristics. Some are bright and hot, while others are dim and cool. Studying stars can help us learn more about the universe and how it works.

DID YOU KNOW?

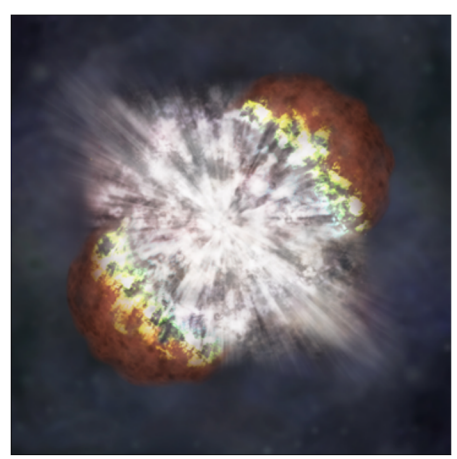
Our sun is about 4.6 billion years old, but some stars can live for billions of years longer!



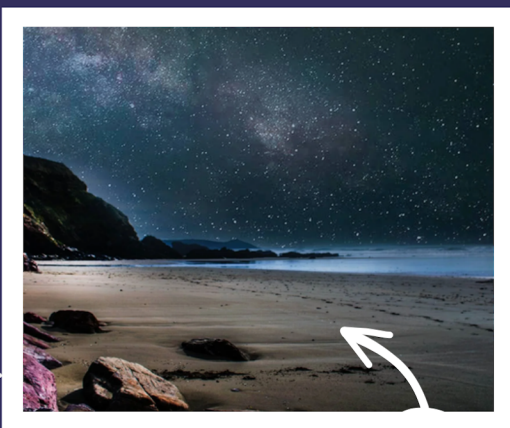
The light that we see from stars has traveled many light-years to reach us. This means that the light we see from some stars could be thousands of years old!



Stars come in many different sizes, colors, and temperatures. Some stars are so hot that they are blue, while others are cooler and appear red.



When a star runs out of fuel, it can explode in a massive explosion called a supernova.



There are more stars in the universe than there are grains of sand on all the beaches on Earth.

The North Star, also known as Polaris, is used by sailors and navigators to help them find their way at sea.

Some stars are so far away from Earth that it would take millions of years for us to reach them, even if we could travel at the speed of light!

COMPREHENSION QUESTIONS



SET 1 (EASY)

What is the name of the closest star to Earth?

What is the name of our solar system?

What is the largest planet in our solar system?



SET 2 (MEDIUM)

- What is the process by which stars create energy?
- What is the name of the force that keeps planets in orbit around the sun?
- What is the name of the galaxy that contains our solar system?



SET 3 (HARD)

What is the difference between a star and a planet?

What is a black hole?

- How do astronomers use light to study stars and other celestial objects?

