



**Our Sun! We
couldn't live
without it!**

**Think of 5
things you
know about our
nearest star.
Write them
down and be
prepared to
share.**

The Inouye Solar Telescope's first published image of our star, the sun, is the highest-resolution image of this object to date.
(2019, image credit: NSO/NSF/AURA)

There are many answers to this question. Here are some:

1. The sun is ~93 million miles away from Earth.
2. Sunlight travels at the speed of light, thus it takes ~8 minutes for sunlight to reach the earth.
3. The sun is made of hydrogen & helium (~75% H & ~24% He).
4. The sun is an ordinary star in our galaxy, the Milky Way.
5. Without the sun's heat & light, life on our planet wouldn't exist.
6. The sun is composed of plasma, which is the 4th state of matter—the others being solid, liquid & gas.
7. The sun is about 4.5 billion years old & is considered a middle-aged star.
8. Nuclear fusion in the sun's core creates the energy it emits, that is, hydrogen is fused into helium in a series of reactions that release energy.
9. The sun is considered a yellow dwarf star.
10. The sun has a magnetic field.