
The Sun!

— Our very own star —

Sun Facts

- Medium mass star on the H-R Diagram
- About half way through its lifespan
- Will turn into a red giant, then a planetary nebula and white dwarf, and finally a black dwarf (never going to explode)
- Has different layers just like the Earth
- Is actually not that special in terms of stars...

How big would the sun look on other planets?



Mercury



Venus
(if you could see the sun through the clouds)



Earth



Mars



Jupiter

Saturn

Uranus

Neptune



How does a planet's distance from the sun affect the way you see an object?



Good info on our Sun - does show the Sun from ellipses

**Nasa's site about the Sun [here](#)
(does show the Sun from ellipses)**

Review of Sun Facts

Layers of the Sun

The Core

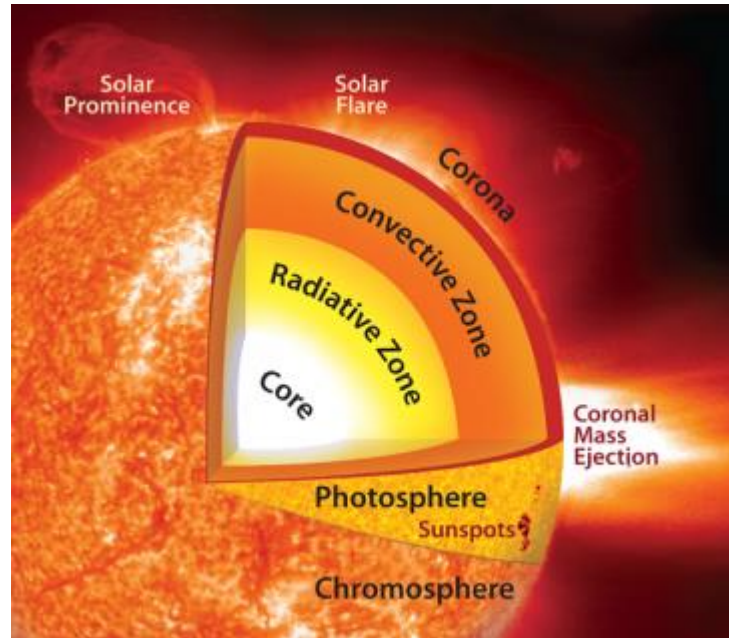
Radiative Zone

Convection Zone

Photosphere

Chromosphere

The Corona



Review of Sun Facts

Look up a definition for each of the following:

Solar Flares

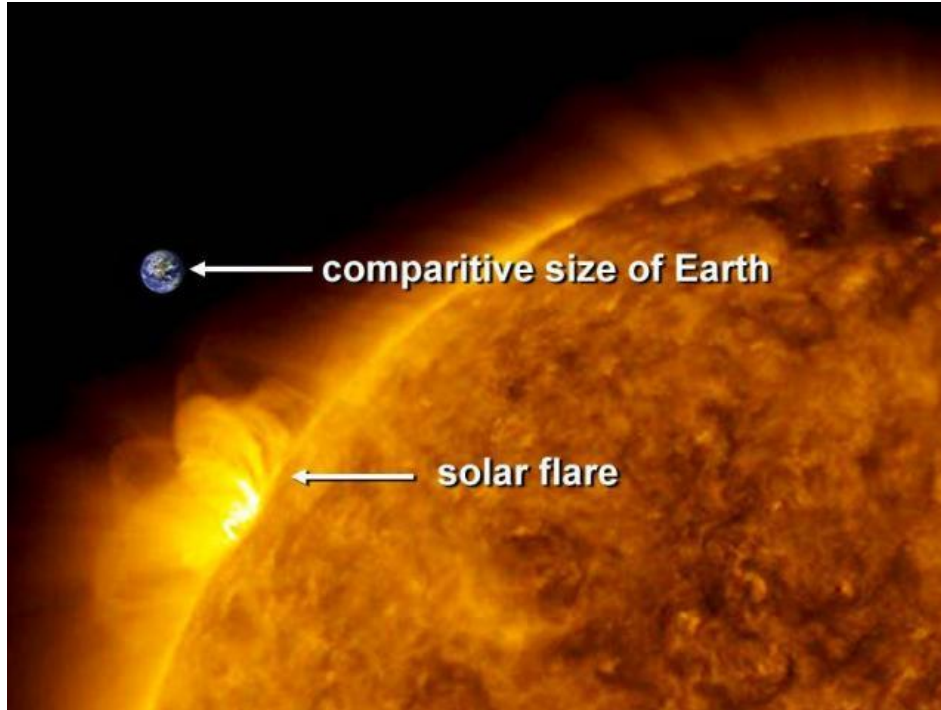
Solar Prominences

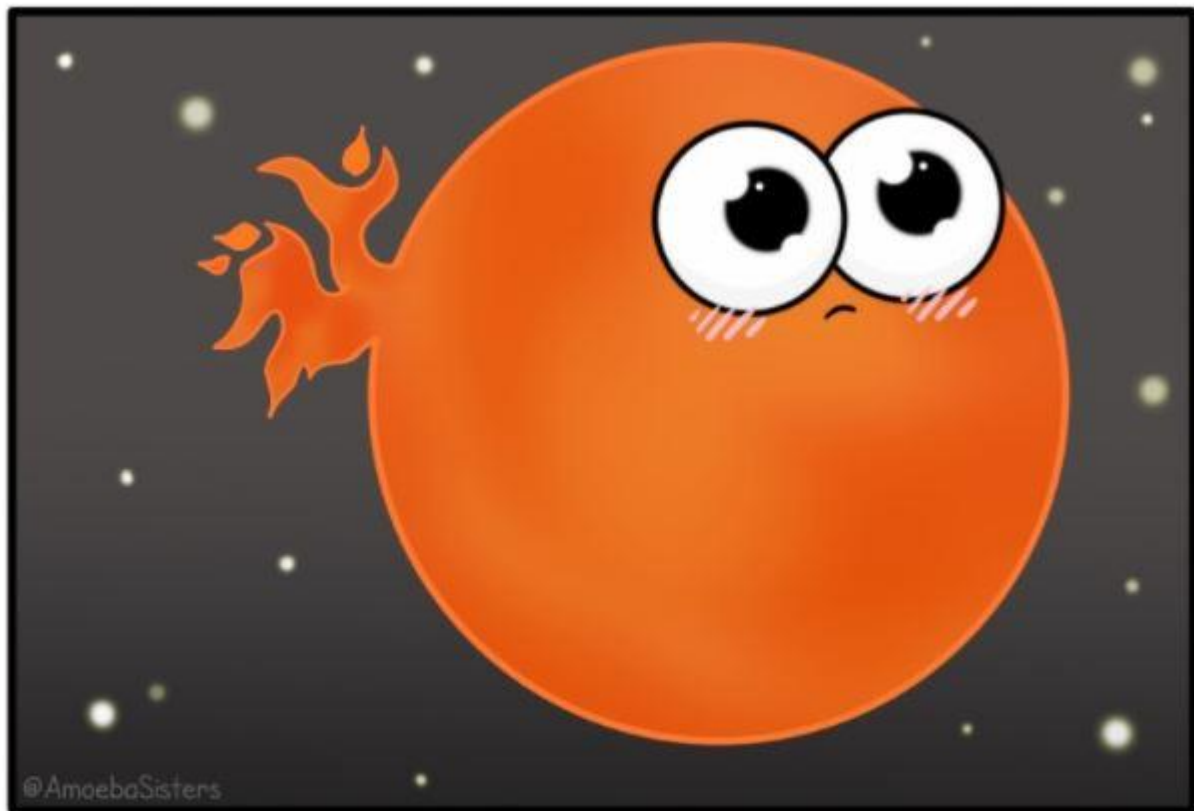
Sun Spots

Solar Wind

Coronal Mass Ejections

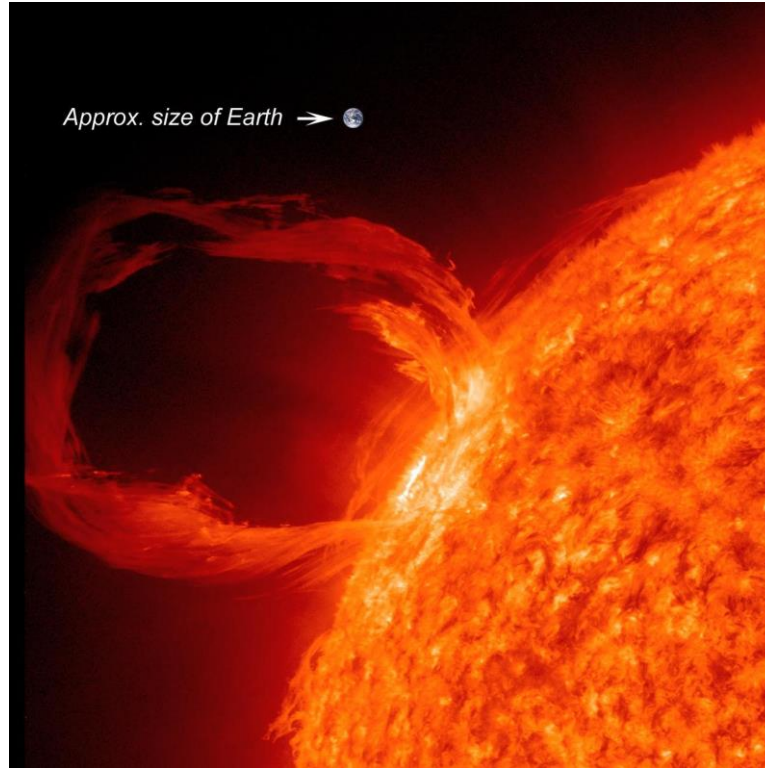
Solar Flare



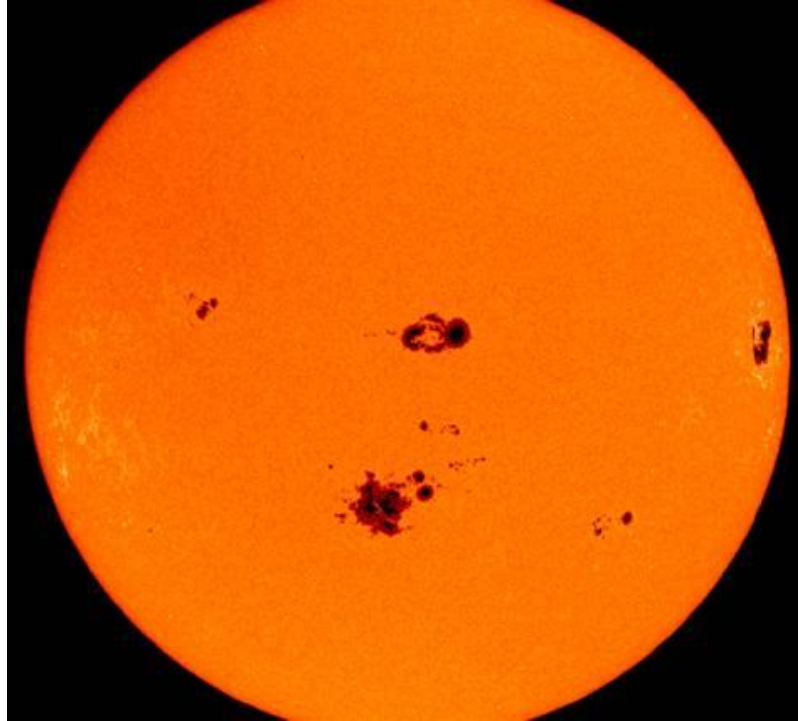


Let's just admit that a "solar flare"
is just a fancy name for a sun fart.

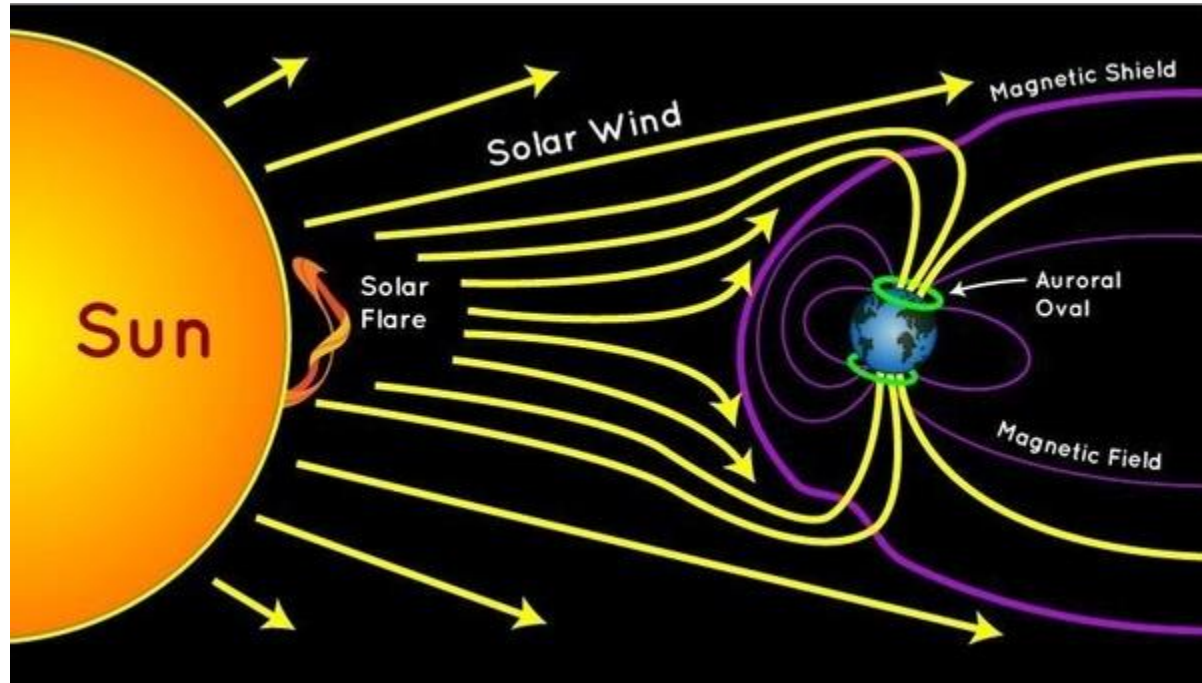
Solar Prominence



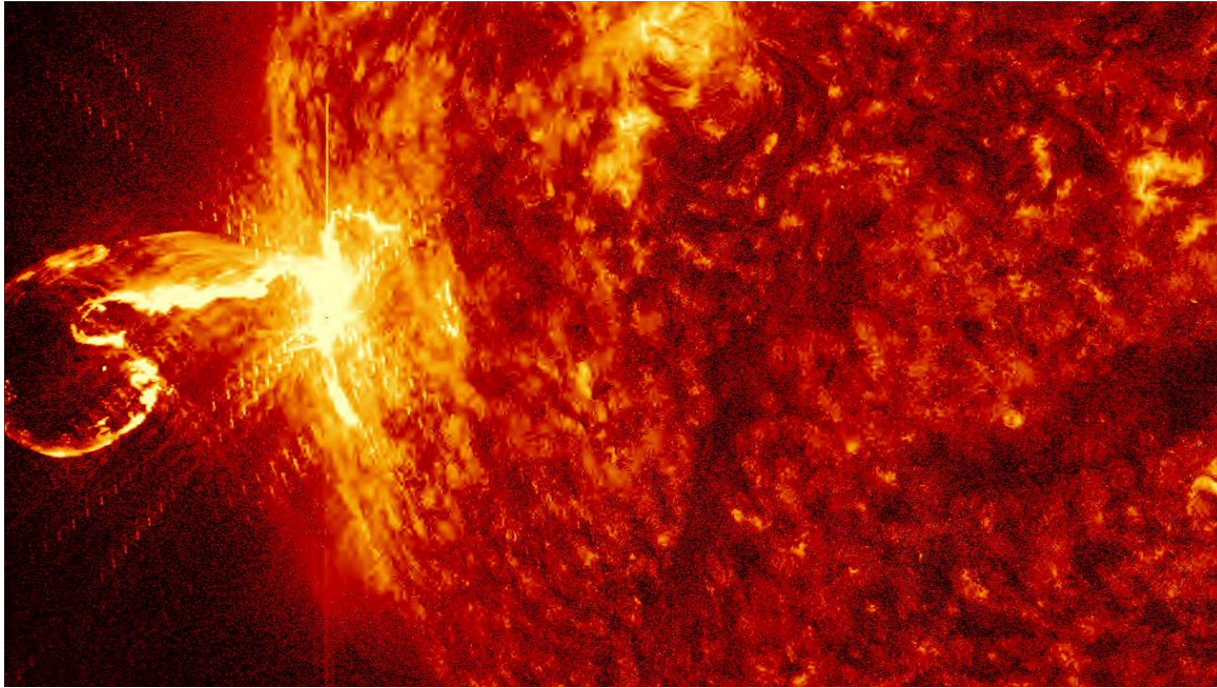
Sun Spots



Solar Wind



Coronal Mass Ejections



[link](#)

Cool website about these things [here](#)

Sun links for you to research more about the Sun!

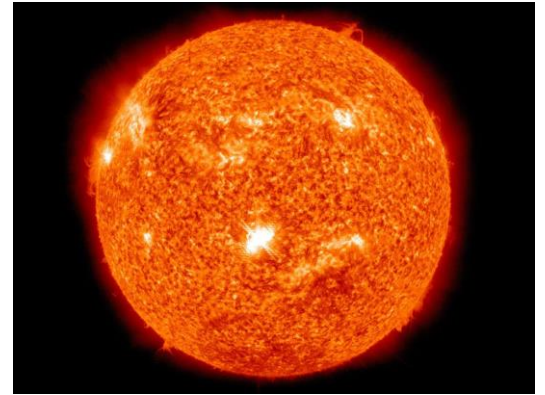
Quizlet about the Sun from the Crash Course video [here](#)

NOVA lab about the Sun [here](#)

Motion of the Sun simulation [here](#)

44 of our closest stars compared to the Sun [here](#)

Instructions to make your own star life cycle poster [here](#)



Games about the Sun and stars

1. Detective story about why anyone would explode a star [here](#)
1. Track stars through their life cycles [here](#)
1. Investigate nuclear fusion in the Sun [here](#)

Think in your brain

How would you describe
the Sun now that you
know more about it?

Answer the Google

Classroom Question Now

What are three things you
learned or found interesting
about the Sun?

Extra time?

Have more time in the class period and need more?

Want more information about the Sun? Research into the Sun's atmosphere and learn about the three different layers and how they interact with each other.
