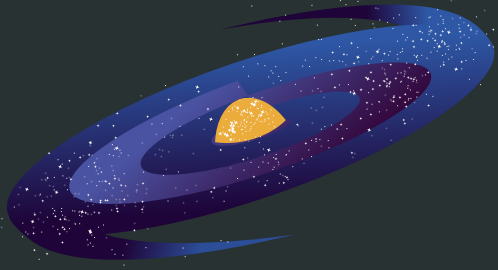
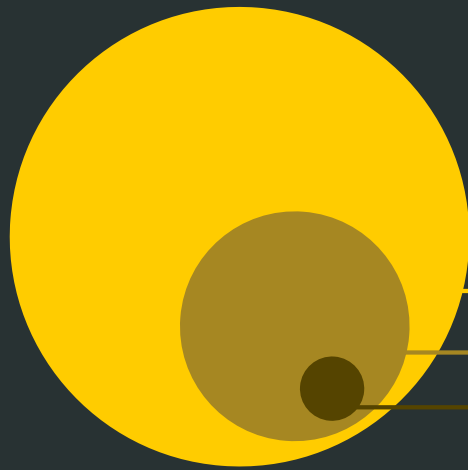


WHAT'S A... STAR?

A ball of fire supported by the **balance** between gravity and fusion



There are between 100 and 400 billion stars in our galaxy.



~71% Hydrogen
~27% Helium
~2% other

THE SUN > 100 x Earth Radius

~1 million x Earth mass

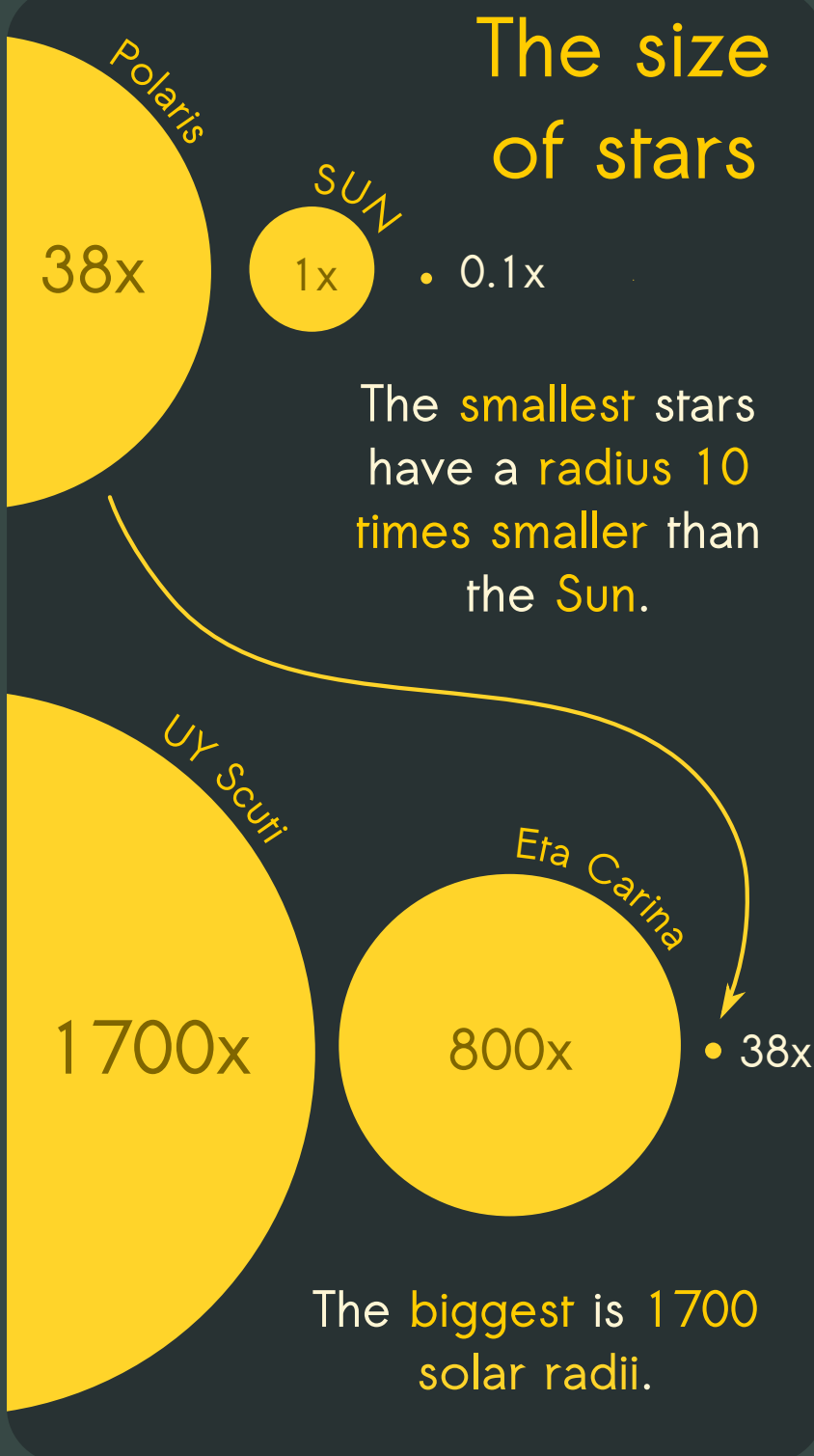
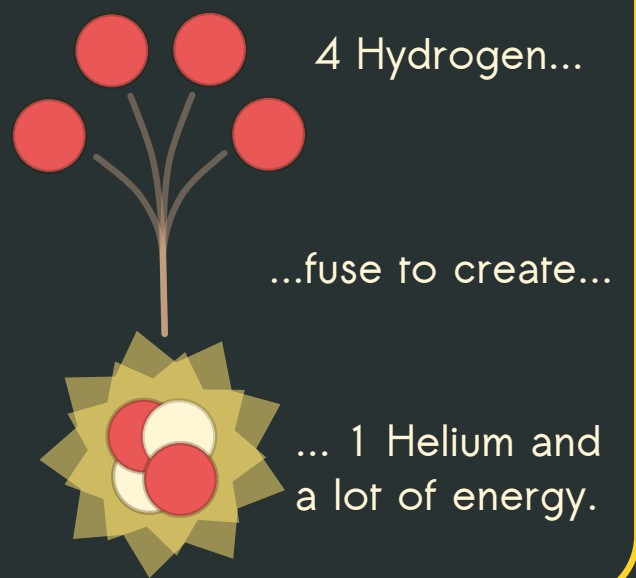
Stars are powered by nuclear fusion

It makes them **shine** and **stops** them from **collapsing** under their own weight.

It **creates new elements** that were not made during the Big Bang and releases **energy**.

Stars are the factories of the

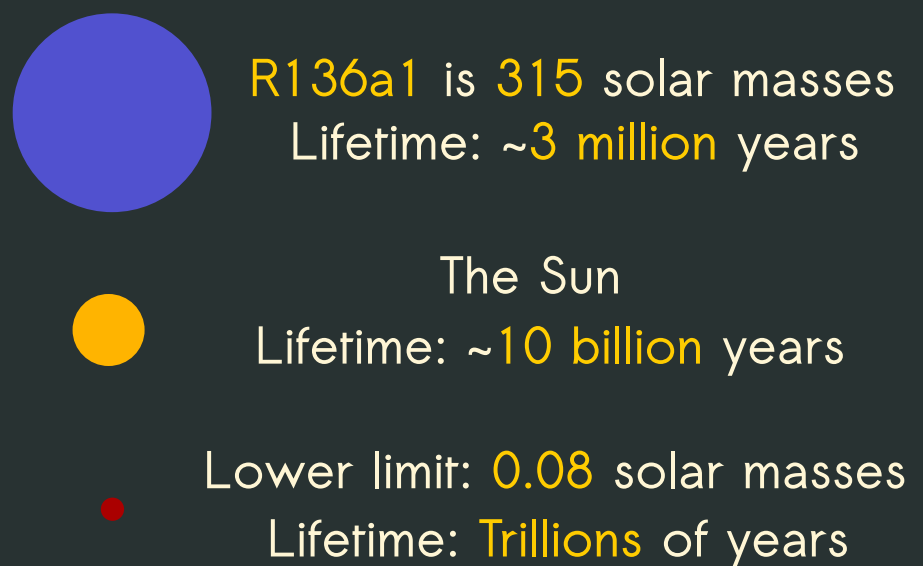
Most common nuclear reaction in stars



The Stellar Thermometer



The heavier the star the shorter the life.



Stars die when nuclear fusion stops for good

