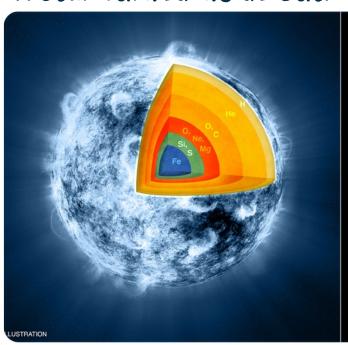
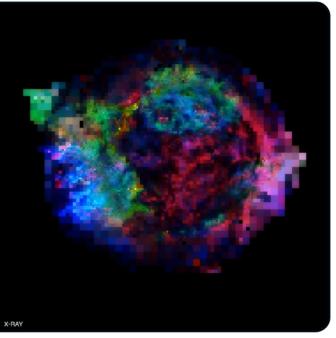


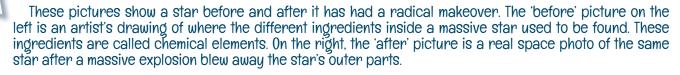




## A Star Turned inside Out!







Astronomers call an explosion like this a supernova and all of the star material after the explosion is called a supernova remnant. The supernova remnant shown here (in the photo on the right) is called Cassiopeia A, or just Cas A for short.

In both pictures the same colours have been used to show the different chemical elements in the star. Before the explosion, astronomers think that the star had lots of the chemical element iron (shown in blue) and sulphur and silicon (shown in green) at its centre. But afterwards, these chemical elements were flung towards the outer edges of the star, as shown by the blue and green colours around the outer parts of Cas A in the photo on the right. Basically, the star has turned inside out!

## COOL FACT

Except for objects in our Solar System, Cas A is the most powerful radio station in the night sky, emitting lots of radio signals!







