

# The Sun

**All stars** have a finite life span. When the fuel is used up, the size and temperature of the star changes.

**Earth will be consumed** when the Sun becomes a red giant.

Best estimate: 5 billion years.

**The timer is set.**

Earth is not

its lifetime and the Sun is now  
the Sun will grow rapidly,

completely engulfed by

scientists say the Sun will be in its

to reach zero in five

It's going to

exception. In the future when  
first swallowing up Mercury

by the Sun.

How

final phases in five billion years

five billion years, w

to last fo

n the last of the hydrogen at  
and Venus and then growing

v long do w

ars... Just *how long* is five bi

then the Sun swalle

Forever.

the core of the Sun  
in size until

we have?

million years?

shows the Earth.