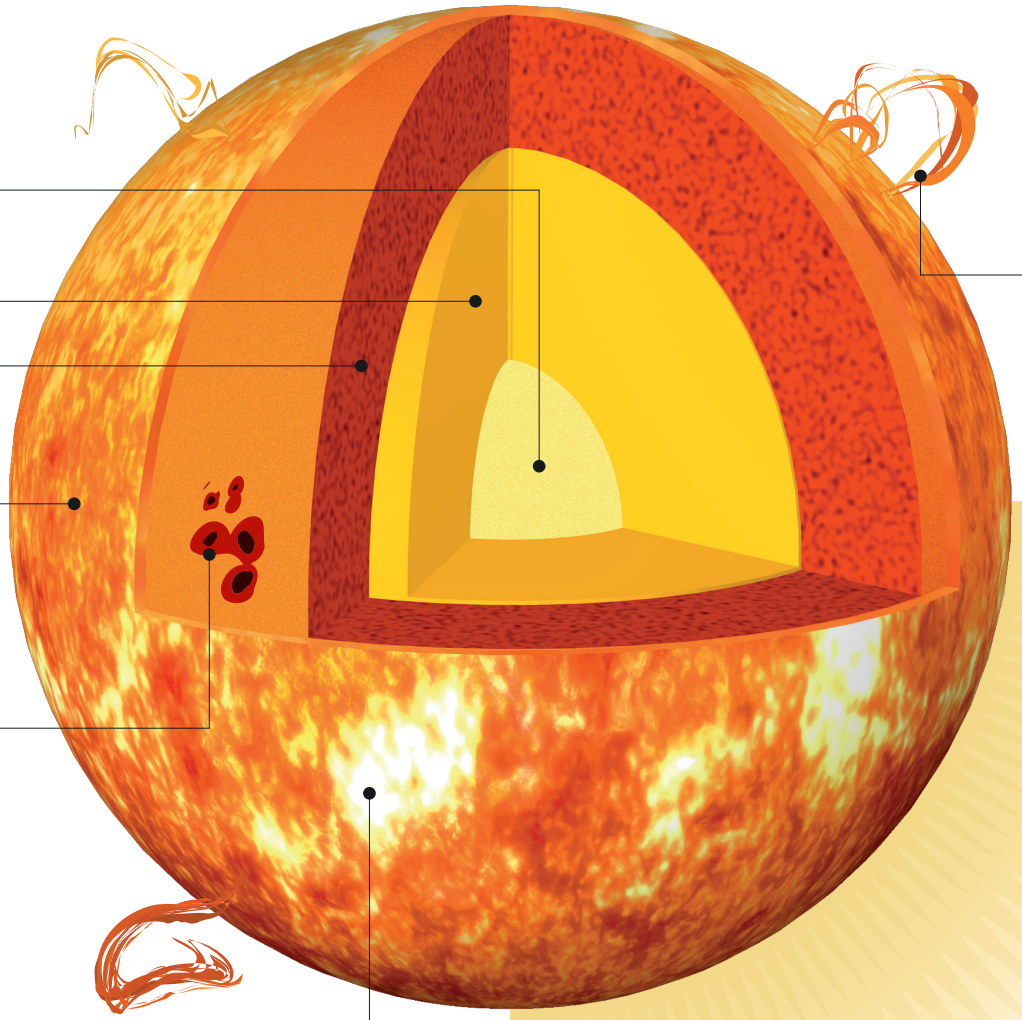
THE SUN



INNER LAYERS:

The Suns energy is produced in the **core,** where temperatures reach 15 million ˚C.

The energy is moved to the surface though a **radiative zone** (7 million ˚C) and a **convective zone** (2 million ˚C)

Photosphere

What we see as the visible surface of the Sun from Earth, it has a temperature of ~5600 ˚C.

Sunspots

Dark spots on the surface of the Sun. They appear dark as they are regions where the magnetic field strength is so strong that it prevents energy escaping and so the surface appears cooler than surrounding areas.

Flares

These occur when energy stored in twisted magnetic fields is suddenly released.

Prominence

These are loops of magnetic fields which contain hot gas.

Corona

The Suns outer atmosphere that extends millions of miles into space.

EARTH

(in comparison with the Sun)