

Our Sun

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- ◆ Our sun is a _____, composed mostly of hydrogen and _____.
- ◆ The sun is about 150 million kilometres from Earth. Light from the sun takes only _____ minutes to reach the Earth.
- ◆ The sun's temperature varies from 6000°C at the surface to 16000000°C at the core.
- ◆ The sun _____ approximately every 30 days.
- ◆ S_____ are darker, cooler parts of the sun which rotate approximately every _____ years.
- ◆ Solar Flares are explosions of hot _____ from the surface. These send off electromagnetic radiation that causes _____ in Earth's night sky, and disrupts radio transmission.
- ◆ Solar Prominences are _____ of hot gases that are seen on the sun's surface.
- ◆ The sun makes its energy from nuclear reactions called Nuclear F_____, a process in which 2 hydrogen nuclei join to make a larger helium _____. This process gives off huge amounts of _____ and _____ energy.
- ◆ The sun's age is estimated to be about 4.5 _____ years. There is probably enough _____ gas to fuel nuclear fusion reactions for another 4.5 billion years, so the sun is probably half-way through its life.