

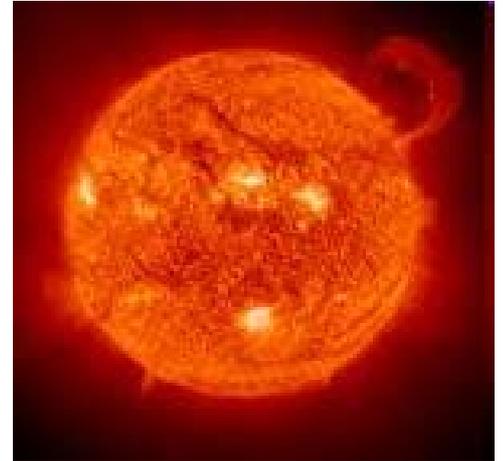


That's  
hot!

"I'm so hot," complained Kaylee. "It must be 60 degrees." "Don't exaggerate Kaylee," said mum. "It's 38 degrees, and yes it is hot. You must stay out of the sun." "If the sun makes us this hot, how hot is the sun?" asked Sean.

The sun is about 6,000 degrees centigrade on its surface, but scientists believe it's 15 – 25 million degrees in the centre or core. The heat and energy is produced by nuclear reactions that occur when hydrogen nuclei join together to form helium. As this happens atoms move so fast and violently they generate incredible heat.

This heat enables life to exist on earth. Without it, animals, plants and people would all die.



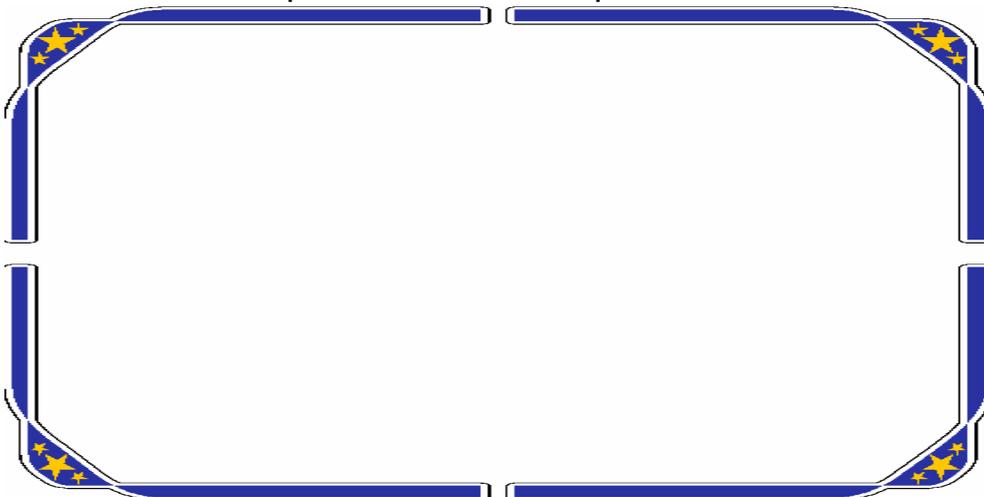
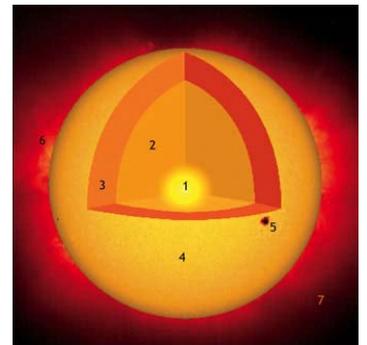
## Listen to God! Psalm 33:6

The New International version says, "By the word of the Lord were the heavens made, their starry host by the breath of his mouth."

Can you imagine the power of God's breath that created all the stars and made the sun (just one of those billions and billions of stars) so hot and so powerful?

Think of something else that shows God's power and draw a picture.

- THE SUN
1. Core – nuclear furnace
  2. Radiative zone – transports heat/energy
  3. Convection zone – transports heat/energy
  4. Photosphere – visible surface
  5. Sunspot – magnetic "storm"
  6. Prominence – hot gases 1,000s kms wide
  7. Corona – outer atmosphere



## Talk to God!

Lord God, you are more powerful than we can ever imagine. Wow!



Binara, the nosy frilled neck lizard wants to know how God made people. Genesis 2:7 and 18-22 will help you tell him.