



ANSWERS

1. dwarf star
2. average or low
3. 99.8%
4. very hot gases, mostly Hydrogen
5. heat
6. Hydrogen atoms in the sun are constantly being converted to Helium atoms in a process called nuclear fusion. Nuclear fusion generate an enormous amount of heat. This is why the sun is so hot and bright, and why heat and light from the sun is able to reach all the way to Earth.
7. We could not live without the sun. Earth would be a cold, dark place that could not sustain life. With the sun, plants could not perform photosynthesis to create food for themselves. Plants are the first link in the food chain, so if there were no plants, nothing else would be able to eat and there would be no living things.