



## #10 - The Sun

1. What type are the vast majority of stars? \_\_\_\_\_
2. Compared to the diameter of the Earth, how wide is the Sun? \_\_\_\_\_
3. How many Earths could fit inside the Sun? \_\_\_\_\_
4. What is the temperature of the Sun's core? \_\_\_\_\_
5. In the Sun's core, hydrogen atoms fuse together to form the heavier element \_\_\_\_\_
6. How often does the Sun lose a mass equivalent to 15 Empire State Buildings? \_\_\_\_\_
7. In the Sun, where does hydrogen fusion occur? \_\_\_\_\_
8. Heat transfer by the buoyant motion of the Sun's heated gases is called \_\_\_\_\_
9. Which layer is thin enough to be transparent, and considered the Sun's surface? \_\_\_\_\_
10. Which ethereally thin layer is sort of like the Sun's atmosphere? \_\_\_\_\_
11. What name is given to the stream of subatomic particles moving away from the Sun? \_\_\_\_\_
12. The speed of the solar wind is usually well over \_\_\_\_\_
13. The Sun is made of "a gaseous soup of charged particles", called \_\_\_\_\_
14. What is the term for a dark region on the surface of the Sun? \_\_\_\_\_
15. Prominences are huge arcs of material flowing along loops of \_\_\_\_\_
16. The Earth's magnetic field can interact with the solar particles to form \_\_\_\_\_