

## CHAPTER 28 - THE SUN practice test

### Completion

*Complete each statement.*

1. The primary element fueling the sun's nuclear fusion reactions is \_\_\_\_\_.
2. The amount of energy that hits each square centimeter of the earth each second is called the \_\_\_\_\_.
3. The layer of the sun just outside the core is the \_\_\_\_\_.
4. The region of the sun in which energy is transferred between atoms in the form of electromagnetic waves is the \_\_\_\_\_.
5. In the radiative zone, heat energy moves from atom to atom in the form of \_\_\_\_\_.
6. One of the first indications to astronomers that the sun rotates on its axis was the movement of \_\_\_\_\_.
7. Cooler areas of the sun that appear darker than the surrounding areas are called \_\_\_\_\_.
8. A prominence arches from one sunspot area to another following curved lines of \_\_\_\_\_.
9. As solar wind particles enter the earth's atmosphere, they can generate disturbances called \_\_\_\_\_.
10. The most violent of all solar disturbances is called a(n) \_\_\_\_\_.
11. The northern and southern lights are also called \_\_\_\_\_.
12. Electrically charged particles of the solar wind that strike the earth's upper atmosphere create sheets of light called \_\_\_\_\_.
13. Charged particles of the solar wind are guided to the earth's magnetic poles by the \_\_\_\_\_.
14. The hypothesis that the sun and planets formed out of the same cloud of dust and gas was proposed by a mathematician named \_\_\_\_\_.
15. The small bodies of matter that eventually formed protoplanets are called \_\_\_\_\_.
16. Laplace's hypothesis on the formation of the solar system developed into what is known as the \_\_\_\_\_.
17. The solar system developed from a cloud of gas and dust called a(n) \_\_\_\_\_.
18. The earth's core is composed mostly of the two elements \_\_\_\_\_.
19. The earth's second atmosphere resulted from gases emitted by \_\_\_\_\_.
20. As the earth's atmosphere developed, much of the carbon dioxide that was present in the atmosphere was absorbed by the \_\_\_\_\_.
21. When the earth cooled, oceans formed as the water vapor \_\_\_\_\_.