

M O D E R N E A R T H S C I E N C E

Section 28.1

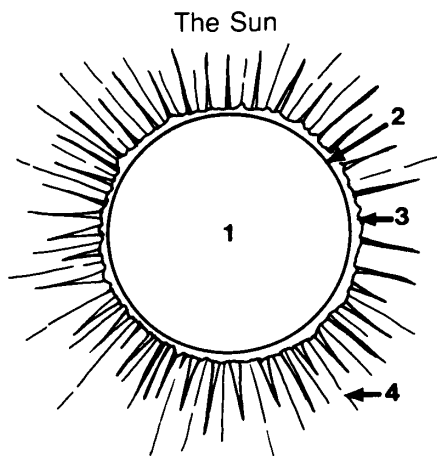
Structure of the Sun

Read each statement below. If the statement is true, write *T* in the space provided. If the statement is false, write *F* in the space provided.

- _____ 1. The core of the sun is made up of dense gas.
- _____ 2. Nuclear fusion occurs in the sun's core.
- _____ 3. The corona is part of the sun's magnetosphere.
- _____ 4. The photosphere is considered to be the surface of the sun.
- _____ 5. The layer of the sun immediately surrounding the core is called the convective zone.

Choose the one best response. Write the letter of that choice in the space provided.

- _____ 6. Ions that stream out into space through holes in the corona create the:
- a. ozone layer. b. solar wind.
c. chromosphere. d. solar nebula.
- _____ 7. Which layer of the sun gives off the visible light normally seen from the earth?
- a. core b. magnetosphere
c. corona d. photosphere



- _____ 8. Which part of the diagram represents the color sphere?
- a. 1 b. 2
c. 3 d. 4
- _____ 9. The transfer of energy by moving liquids or gases occurs by the process called:
- a. convection. b. granulation. c. fusion. d. radiation.
- _____ 10. The fusion of hydrogen nuclei in the sun produces a nucleus of:
- a. hydrogen. b. oxygen. c. helium. d. carbon.