

Astronomy Term 2 Periodic 1 2023

Name _____

1. The sun is composed primarily of...
a. Hydrogen b. Oxygen c. Carbon Dioxide d. Skittles

2. The process that powers the sun is called...
a. fission b. fusion c. internal combustion d. dark energy

3. In what part of the sun do nuclear reactions that release energy take place?
a. the core b. the radiation zone c. the convection zone

4. The process in which heated plasma rises from the interior of the sun and then cools and sinks back down is called...
a. radiation b. conduction c. convection d. photosynthesis

5. Photons created in the interior of the sun take about how long to reach the surface of the sun?
a. a few seconds b. a few minutes c. a few years d. thousands of years

6. Dark spots visible on the surface of the sun are called...
a. sun spots b. blemishes c. freckles d. black holes

7. Spots visible on the surface of the sun are associated with...
a. dark matter b. dark energy c. magnetic fields d. age

8. What is the name of the force that holds the sun together?
a. magnetism b. dark energy c. the strong force d. gravity

9. What will be the final fate of our sun?
a. it will become a black hole
b. it will become a neutron star
c. it will become a white dwarf
d. it will shine forever