

Astronomy Follow-up
Lesson 10: The Sun

Name: _____
Date: _____

(1) Create a model of the Sun. It can be three-dimensional, a drawing, a puzzle, a jell-o mold, or anything else you can think of. You must label all of the following parts:

- | | |
|--------------------|-----------------------|
| a. Core | f. Corona |
| b. Radiative Zone | g. Sunspot |
| c. Convective Zone | h. Granulated Surface |
| d. Photosphere | i. Solar Flare |
| e. Chromosphere | |

(2) Which two elements is the Sun almost entirely made up of?

1. _____
2. _____

(3) Which process is the source of heat in the Sun and where does it take place?

(4) Why do sunspots appear darker than the rest of the Sun's photosphere?

(5) Where is the Sun's energy produced?

(6) Do you think fusion reactions in the Sun's core will continue forever?
Explain your answer.
