

THE SUN WEBQUEST

DIRECTIONS

Answer the following questions by reading the information at the Web sites provided. Answer each question IN YOUR OWN WORDS.



Task 1 - <http://nineplanets.org/sol.html>

1. What type of star is our Sun?
2. How much of the mass of the solar system is contained in the Sun?
3. What did the Greeks call the Sun? What about the Romans?
4. What elements make up the Sun, and in what percentage?
5. Each second about _____ tons of hydrogen are converted to about _____ tons of helium.
6. What is the narrow region on the Earth from which a total eclipse is visible?
7. What is the solar wind?
8. How has the Sun's output changed over the history of the solar system?
9. How much of its fuel has the Sun used up?

Task 2 - <https://soho.nascom.nasa.gov/explore/sun101.html>

10. Is the Earth always the same distance from the sun? Explain your answer.
11. How many Earths would you need to line up side-by-side to equal the diameter of the sun?
12. Which element is most abundant in the sun?

13. List the six layers of the sun, in order, starting with the core.

14. What is the temperature of the sun's core?

15. Which layer of the sun is the visible layer?

16. How long is a solar cycle?

Task 3 - <https://apod.nasa.gov/apod/ap030223.html>

17. What gives this large prominence its unique shape?

Task 4 - <http://www.windows2universe.org/sun/sun.html>

18. What causes graininess on the sun?

19. How do astronomers study the Sun?

20. Describe the Aztec's sun creation story?