

Name: _____ Class Period: _____ Date: _____

Secrets of the Sun

1. What type of star is the sun?
2. How many Earths could you fit into the Sun?
3. What is the source of the Sun's power?
4. How hot is the Sun's core?
5. What new course of matter did scientists come up with to describe the material in the Sun?
6. What are the particles called that bring the warming rays of the Sun to Earth?
7. A photon travels from the core through what other two layers before reaching the Sun's atmosphere?
8. Why do scientists believe our Sun was born from a supernova?
9. What would the climate on Earth be like if we were closer or farther from the Sun?
10. What is differential rotation?
11. What are the dark blemishes on the surface of the Sun?
12. What is the most dangerous threat to Earth that most people have not heard of?

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13. Who monitors the Sun's activity?

14. What can happen on Earth if a solar storm makes it to the surface of Earth?

15. What is the zone at the center or equator of the Sun called?

16. During the perfect storm of 1859, how long did it take for the particles from the sun to reach Earth?

17. What happens every 11 years on the Sun?

18. What force causes the superheating of the solar corona?

19. When can you see the corona from Earth?

20. How often do solar eclipses occur?

21. When will the sun die?

22. What will happen to Earth when the sun becomes a red giant?

23. Draw your favorite baby animal.