

Name \_\_\_\_\_ Date \_\_\_\_\_ Block \_\_\_\_\_

### Bill Nye: The Sun

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1. The panels are collecting energy from which star? \_\_\_\_\_
2. The closest star to the planet Earth is \_\_\_\_\_.
3. The sun is \_\_\_\_\_ °C hot.
4. It takes \_\_\_\_\_ Earths to fill up the sun.
5. It would take \_\_\_\_\_ Earth to fit across its diameter.
6. All the \_\_\_\_\_ we use comes from the sun.
7. To make a thermometer you need \_\_\_\_\_, a \_\_\_\_\_, \_\_\_\_\_, water, and \_\_\_\_\_.
8. Solar Cells collect \_\_\_\_\_.
9. As the sun moves across the sky, the solar panels \_\_\_\_\_.
10. Photovoltaic Cells make \_\_\_\_\_ from \_\_\_\_\_.
11. The solar oven was built out of \_\_\_\_\_ and \_\_\_\_\_.
12. A solar oven can go from 100° to \_\_\_\_\_.
13. A road flare burns at \_\_\_\_\_ °C, and a solar flare burns at \_\_\_\_\_ °C
14. The sun makes \_\_\_\_\_ times more energy than you use in your house.
15. The sun is a \_\_\_\_\_.
16. SPF stands for \_\_\_\_\_.
17. SPF 15 protects you \_\_\_\_\_.
18. When the moon casts a shadow on the Earth, we get a \_\_\_\_\_.

19. When you put your thermometer in hot water, what happens?

\_\_\_\_\_

20. How much electricity lands on every square meter of the Earth? \_\_\_\_\_

21. The sun is the \_\_\_\_\_ of Energy for everything on Earth.

22. The sun gets its energy from continuous \_\_\_\_\_.

23. Sunspots occur in \_\_\_\_\_ year cycles.

24. Karen Harvey studies the \_\_\_\_\_.

25. Why is she wearing sunglasses? \_\_\_\_\_.

26. One sunspot is how large? \_\_\_\_\_.

27. What color absorbs the most energy? \_\_\_\_\_.

**In 20 words, summarize the video.**

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