



Bill Nye Video Worksheet – The Sun

Before the Video:

List 3 things you already know about the sun.

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During the Video: Answer the following questions.

1. The sun is the closest / furthest (circle one) star to the Earth.
2. The sun is the size of 1.3 _____ earths.
3. Almost all / none (circle one) of the energy that is used on the earth comes from the sun.
4. Photovoltaic cells, or solar panels, convert _____ into electricity.
5. A solar oven works because it collects _____ inside the oven.
6. Solar flares are / are not (circle one) hot compared to the rest of the sun.
7. In an electric meter, the more power you use, the _____ the dial turns.
8. The sun uses about a million / million billion (circle one) times as much power as you use in your house.
9. SPF on sunscreen stands for Sun _____ Factor.

10. A solar eclipse happens when the _____ is blocking the sun.
11. You should never/ sometimes (circle one) look directly into the sun.
12. Comparatively, a tiny / large (circle one) percentage of the sun's energy hits the earth.
13. The sun is the sole source of energy for almost every _____ thing on earth.
14. The sun's source of energy is continuous _____.
15. A scientist that studies the sun is called a _____ astronomer.

After the Video:

List 2 things about the sun that you learned from this video.

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