

Video: SOLAR BLAST

name: _____

Work alone! Use complete sentences on the questions that are marked with an asterisk (*).

1. Who were the first people to record sunspot observations?

The video was made in the year 2000, just before the **solar maximum** of 2001.

2. Why were Galileo's claims about sunspots such a shock to the world?*

3. What was unusual about the number of sunspots during the cold spell that lasted from 1645 to 1715?*

4. One purpose of studying glacial ice cores is to see if there is a connection between the Sun's cycle and Earth's _____.

5. What costly thing happened as a result of a big solar storm (magnetic storm) during March of 1989?*

6. About how many "coronal mass ejections" (CMEs) can happen each day during the height of a solar max?

7. Describe the specific location of the SOHO (solar observing telescope).*

8. In the video, how fast was the material in the coronal mass ejection traveling?

9. List two ways that a CME might temporarily disrupt normal life on our planet?*

10. In the demonstration done by the boy and his mother, what did the balloon represent?