

Physical Science on The Space Place

Sun Fun Quest

Instructions: Go to spaceplace.nasa.gov. For each “find” below, type into the Space Place Search field the word in **bold** letters. What you are looking for will be on the resulting menu, but may not be the only thing on the menu. When you find the item, **write in the answer or the title of the page or paste in the URL.**

Find an article about what happens when the Sun **burps**. What beautiful thing can happen near Earth’s poles?

Find a game in which you must shield satellites against bad **space weather**. What’s the name of the satellite that warns that bad space weather is coming?

Find an article about solar **eclipses**. What planet eclipsed the Sun in 2012?

Find an article about what causes **seasons** on Earth. Is Earth closer to the Sun in January or in July?

Find an article about a **violin**. Who made the violin and in what century?

Find an article about the Sun’s **mood** swings. About how often does the Sun’s magnetic field do a flip?

Find the **Sun Gallery** and the image that compares the size of a sunspot to the size of Earth. Which is larger?

Find the rhyming story about a **superstar**. Which is bigger, our Sun (“Super Star”) or the star Rigel?

Find the scientist on **Space Place Live** (cartoon talk show at <http://spaceplace.nasa.gov/space-place-live>) who helped to catch the solar wind.

Find a picture in the **gallery of Sun** images of a figure 8 in the sky. What is the figure 8 called?