

Auroras online activity

Directions: Read the questions first. Use the online book *Auroras! Mysterious Lights In The Sky* to respond to the questions. Click on the link to begin the activity. Click on the postcard.

1. What are the two names for the mysterious lights in the night sky?

2. What causes the lights? _____

3. Who studies auroras? _____

What tools do they use? _____

Facts:

4. Write two other names for auroras. _____

5. When can you see an aurora? _____

6. If you lived in Australia you would see which lights Northern or Southern?

7. What does the magnetosphere do? _____

Auroras continued.

8. Electrons make atoms of different elements glow in different colors. Name the two elements and the colors they glow.

9. The Northern Lights are also called the _____

Watch an Aurora Movie

Off line

Explore Alaskan students study the aurora.

Have you ever seen an aurora?

How many times?

How many students in your class have seen an aurora?

Where would go to see an aurora?

Extras:

Earth Sun viewer from NASA http://sunearth.gsfc.nasa.gov/sunearthday/media_viewer/flash.html

NASA Sun-Earth Connection <http://sunearth.gsfc.nasa.gov/index.htm>

Aurora Page - <http://sunearth.gsfc.nasa.gov/index.htm>

Auroras - Paintings in the sky http://www.exploratorium.edu/learning_studio/auroras/

Exploring Space Science Mathematics <http://image.gsfc.nasa.gov/poetry/MathDocs/spacemath.html>

Aligned with Pennsylvania Academic Standards Science and Technology, Careers, Reading, Writing