



Pre- and Post-Assessment

Middle School Grades

Lesson Summary

Pre/post assessment of student knowledge and understanding of the Sun

Prior Knowledge & Skills

Not applicable

Science Benchmarks & Standards

Not applicable

Teaching Time: One 45-minute period

Materials per Student

- Copy of the assessment
- Pencil/pen

Advanced Planning

Preparation Time: 20 minutes

1. Review lesson plans
2. Copy student sheets

Live from the Aurora, p. 17, NASA (2003)

http://sunearth.gsfc.nasa.gov/sunearthday/2003/educators_guide2003/pdf/lfa_educators_guide.pdf

Name

Pre/Post Assessment Activity

1. The Sun is so important to life on Earth. List two ways the Sun's light can be helpful and two ways it can be harmful.

Helpful:

a.

b.

Harmful:

c.

d.

2. Draw how the Earth revolves around the Sun.

True or False

3. The Sun gives off radio waves, ultraviolet waves, and x rays.
4. Galileo observed the Sun and sunspots through a telescope in the 1600's.
5. Sunspots do not affect life on Earth or in space.
6. Sunspots are really magnetic storms on the surface of the Sun.
7. The Sun has 3 layers—the core, the chromosphere, and the convection layer.
8. The Sun is made up mainly of oxygen.
9. The Sun rotates, or spins on its axis, about every 27 days.
10. The Sun is a solid.