



Supernovae and Other Celestial Objects

*For the stars of heaven and their constellations will not flash forth their light;
The sun will be dark when it rises and the moon will not shed its light.
Isaiah 13:10*

1. A massive star explosion is called a _____.

2. How long was supernova SN-1054 visible?

3. **True or False?** A supernova can be so powerful that it emits enough energy to be seen during the daytime.

4. Describe why, since a star is a huge nuclear reaction, it doesn't fly apart.

5. Describe how a supernova forms.

6. **True or False?** The matter of a neutron star is compressed so rightly that one teaspoon of it weighs 1,000 pounds.

7. **True or False?** A neutron star forms from a collapsed star that was not massive enough to form a black hole.

8. What is a neutron star that rotates very fast and releases pulses of energy called?
