

Name: _____ Date: _____ Period: _____

Naval Science 2, Nautical Science, Chapter 14 - The Sun

1. The sun contains _____ of all the matter in our solar system.
2. For _____ billion years, the Earth has been warmed by the light of the Sun.
3. The average distance between the Sun and Earth is approximately _____ million miles. This distance is known as an _____ unit.
4. Which gas dominates the sun? _____
5. You should never look directly at the sun. Doing so could result in burning the _____, causing impaired vision or blindness.
6. Each second, about 600 million tons of hydrogen is converted into about 596 million tons of _____ by nuclear fusion.
7. The _____ is the outermost layer of the sun, extending millions of miles into space. Temperatures reach more than a million degrees Celsius.
8. The phenomenon called a _____ occurs when the Moon passes between the Earth and the Sun, resulting in partially or totally block most sunlight from reaching Earth,
9. The Sun's _____ is about 800 km (500 mi) thick. This is the layer of visible light.
10. The interaction of the solar wind with the Earth's magnetic field in the upper atmosphere are responsible for the _____ in the Arctic, also known as the "Northern Lights."
11. Similar to the Northern Lights, lights occur in Australia in the southern hemisphere and are called _____.
12. The Sun is believed to be approximately halfway through its lifecycle. In roughly five to six billion years, our sun will become a _____, after which it will contract and cool before ultimately becoming a _____.