



Stars Honor

Saturday, October 10, 2020



1. Answer the following questions:

a. What is the earth's nearest celestial neighbor?

b. What is its distance from the earth?

c. What governs the tide?

d. What causes an eclipse?

e. What is a shooting star?

f. How fast does light travel?

2. Make a diagram showing relative positions and movements of the earth, sun, and moon. Show positions and movements for eclipses of the sun and moon.

3. Make a diagram of our solar system and be able to name the planets in order from the sun.



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4. Identify in the sky eight fixed stars. What is the difference between planets and fixed stars?

5. What is a constellation? Name and point out six. Name two constellations visible throughout the year.

6. For the Northern Hemisphere: draw a chart of the Big Dipper, Cassiopeia, and the North Star. For the Southern Hemisphere: draw a chart of the Southern Cross, Orion, and Scorpio.



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7. What is the Milky Way? Observe the Milky Way in the night sky.

8. What is the morning star and evening star? Why does it carry both names?

9. Explain zenith and nadir.

10. What is the aurora borealis? What causes it?

Stars Honor Materials List

1. Pen/Pencil
2. Stars Honor Worksheet
3. 8-9 different types of fruit or vegetables, ranging from large to small
4. Extra blank paper