



# Stars

## Worksheet



Name: ..... Date Completed: ..... Signed: .....

1. Answer the following questions:

What is the earth's nearest celestial neighbour? \_\_\_\_\_  
What is its distance from the earth? \_\_\_\_\_  
What governs the tide? \_\_\_\_\_  
What causes an eclipse? \_\_\_\_\_  
What is a shooting star? \_\_\_\_\_  
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.

Name the planets in order from sun:

1. \_\_\_\_\_ 5. \_\_\_\_\_  
2. \_\_\_\_\_ 6. \_\_\_\_\_  
3. \_\_\_\_\_ 7. \_\_\_\_\_  
4. \_\_\_\_\_ 8. \_\_\_\_\_

4. Identify eight fixed stars in the sky.

1. \_\_\_\_\_ 5. \_\_\_\_\_  
2. \_\_\_\_\_ 6. \_\_\_\_\_  
3. \_\_\_\_\_ 7. \_\_\_\_\_  
4. \_\_\_\_\_ 8. \_\_\_\_\_

What is the difference between planets and fixed stars?

\_\_\_\_\_  
\_\_\_\_\_

5. What is a constellation? \_\_\_\_\_

Name and point out six, of which two are visible throughout the year:

- |          |          |
|----------|----------|
| 1. _____ | 4. _____ |
| 2. _____ | 5. _____ |
| 3. _____ | 6. _____ |

6. Draw a chart of of Big Dipper, Cassiopeia and the North Star:

7. What is the Milky Way? \_\_\_\_\_  
\_\_\_\_\_

Observe Milky Way in the night sky.

8. What is the morning and evening star? \_\_\_\_\_

Why does it carry both names? \_\_\_\_\_

9. Explain following:

Zenith \_\_\_\_\_

Nadir \_\_\_\_\_

10. What is the aurora borealis?

\_\_\_\_\_  
\_\_\_\_\_

What causes it?

\_\_\_\_\_  
\_\_\_\_\_