

Name: \_\_\_\_\_

Test Date: \_\_\_\_\_

## Solar System Study Guide

\*You can find the answer key on the [LWE4thgraewebsite.weebly.com](http://LWE4thgraewebsite.weebly.com) in the Science - Solar System tab.

1. Name the planets in order from closest to the sun to the furthest.

Pneumonic Device	Planet
M	
V	
E	
M	
J	
S	
U	
N	

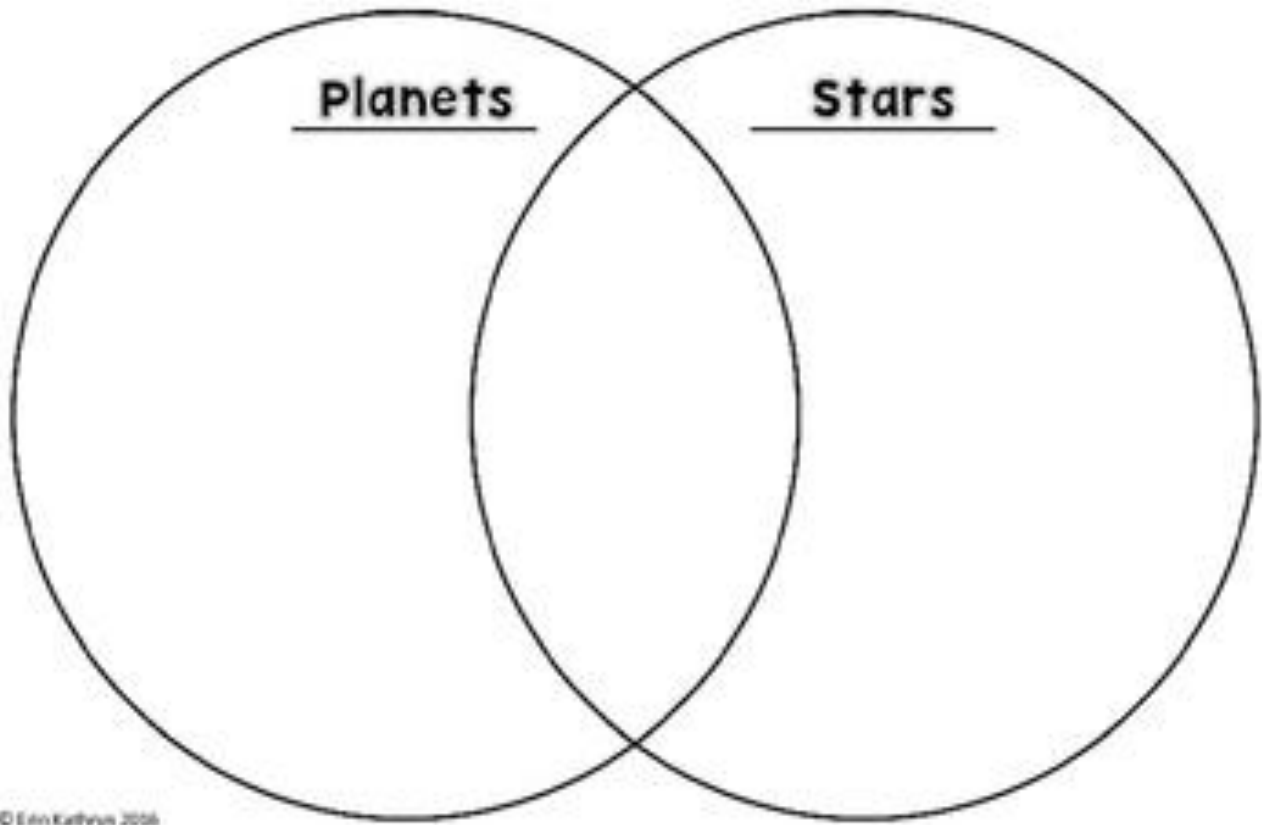
2. The Inner planets are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
3. The outer planets are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
4. The **gas giants** are nicknames for the (**circle one**): inner planets OR outer planets.
5. A \_\_\_\_\_ is a burning ball of gas.
6. The hottest temperature star is the color \_\_\_\_\_. The coolest temperature star is the color \_\_\_\_\_.
7. Stars give off \_\_\_\_\_ and \_\_\_\_\_.
8. The smallest planet is \_\_\_\_\_.
9. The largest planet is \_\_\_\_\_.

Use the following vocabulary to fill in the blanks below.

space probe	revolution	seasons	axis
space telescope	365 days	24 hours	day and night
rotation			

10. Earth spins on its \_\_\_\_\_, which is an imaginary line between the North and South poles.
11. The spinning of an object on its axis is called a \_\_\_\_\_.
12. One rotation takes \_\_\_\_\_.
13. A \_\_\_\_\_ is a complete journey around the sun.
14. The Earth's rotation causes \_\_\_\_\_.
15. A \_\_\_\_\_ is an unpiloted spacecraft that leaves Earth's orbit.
16. It takes the Earth \_\_\_\_\_ to go around the sun.
17. A telescope that floats in space, such as the Hubble Telescope, is called a \_\_\_\_\_.
18. The earth's orbit and tilt cause the \_\_\_\_\_.

19. List at least 3 similarities and differences between stars and planets.



20. Draw and label each phase.

