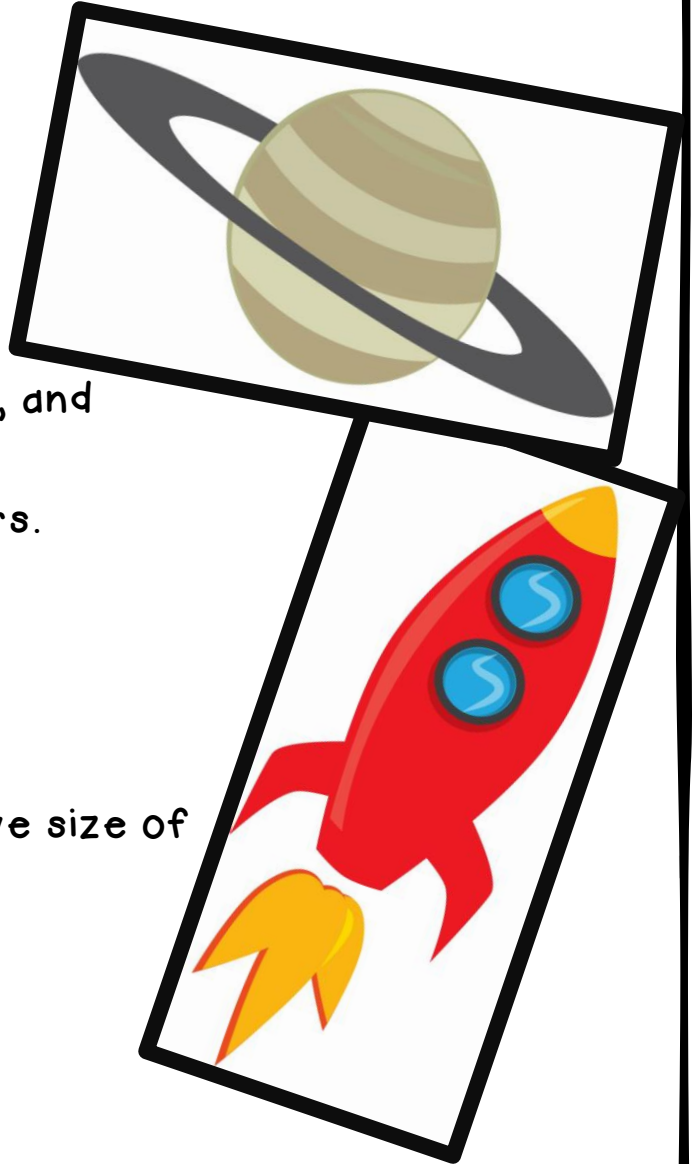


Space Interactive Internet Scavenger Hunt

This interactive internet scavenger hunt is aligned to various space standards. It provides students with an engaging way to learn about planets, the moon, stars, day & night cycle, and seasons. Students explore the mr.nussbaum.com, ducksters.com, and other websites to answer questions. An answer key is included for teachers.

Material Covered

- Order of planets from the sun
- Inner & Outer Planets
- What the planets look like, relative size of planets, distance from sun
- Phases of the Moon
- Types of stars, different temperatures, colors, and sizes
- Lifecycle of a star
- Day & Night Cycle
- Seasons

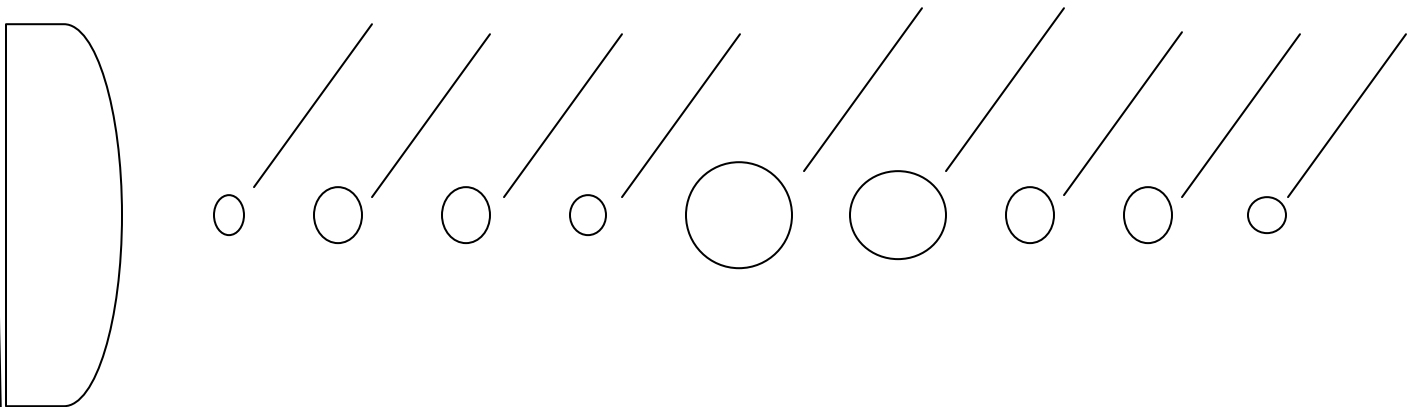


Space Interactive Internet Scavenger Hunt

Directions: Click on the links provided to help you answer the questions.

Planets

Use the [picture](#) to label the planets on the lines below.



Read through the paragraphs below the picture to answer the following questions.

1. The four inner planets are: _____, _____, _____, _____
_____. These are also known as _____.
2. The four outer planets are: _____, _____, _____, _____
_____. These are also known as _____.
3. Pluto is one of the _____.

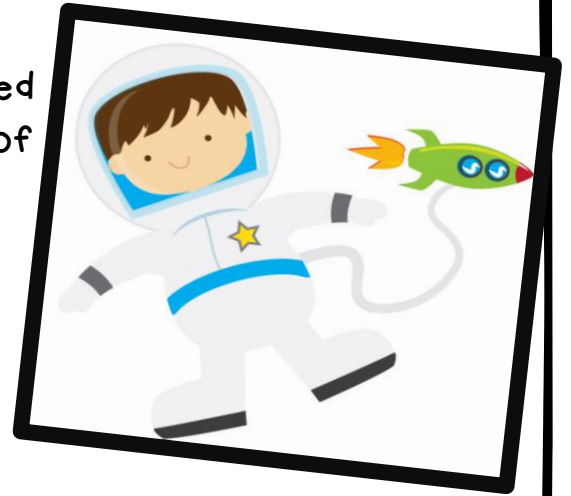
Mercury

Draw a picture of [Mercury](#) in the box below.



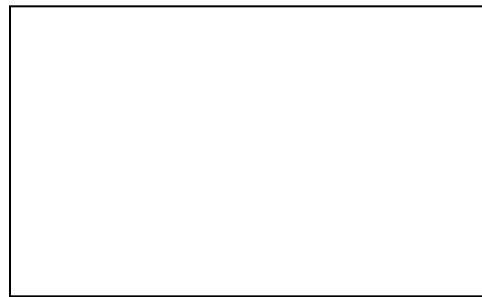
Read through the paragraph about Mercury to answer the following questions.

4. Mercury is the _____ planet. Compared to the earth, it is only about _____ percent of the earth's surface.
5. How far is mercury from the sun when it's at its closest? _____



Venus

Draw a picture of [Venus](#) in the box below.



Read through the paragraph about Venus to answer the following questions.

6. Venus is similar in size to _____. Compared to the earth, it is _____ percent of the earth's diameter.
7. How far is Venus from the sun? _____

Earth

Draw a picture of [Earth](#) in the box below.



Read through the paragraph about Earth to answer the following questions.

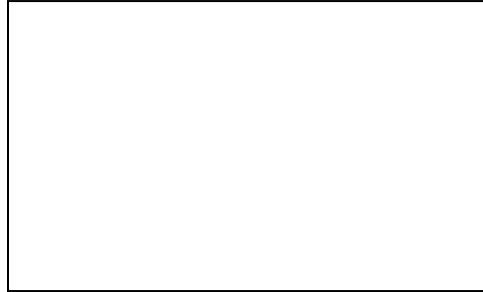
8. Earth is the only planet in the solar system that can _____.
9. How much salt water makes up earth? _____

10. How much land and fresh water make up earth? _____

11. How far is earth from the sun? _____

Mars

Draw a picture of [Mars](#) in the box below.



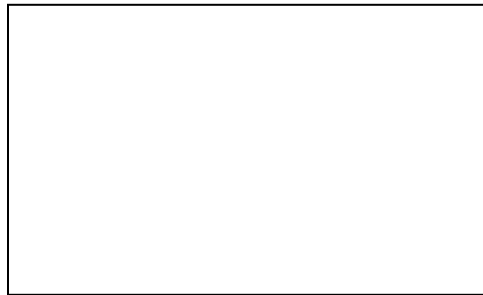
Read through the paragraph about Mars to answer the following questions.

12. Mars is much smaller than the _____. Compared to the earth, its surface area occupies _____ percent of earth's.

13. How far is Mars from the sun? _____

Jupiter

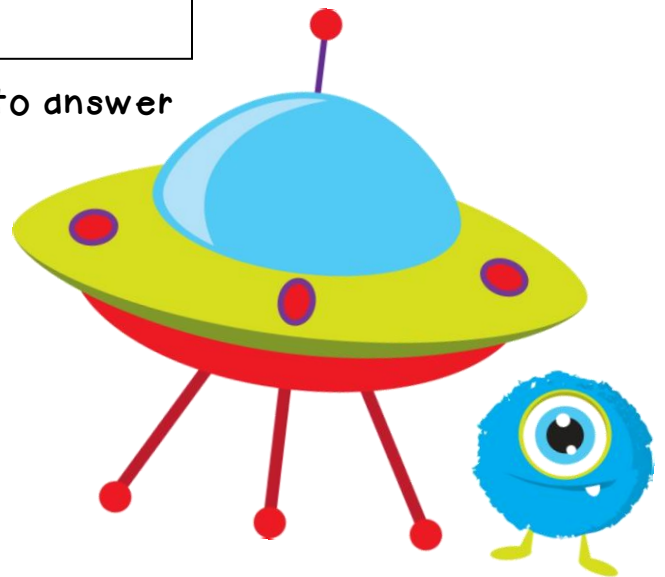
Draw a picture of [Jupiter](#) in the box below.



Read through the paragraph about Jupiter to answer the following questions.

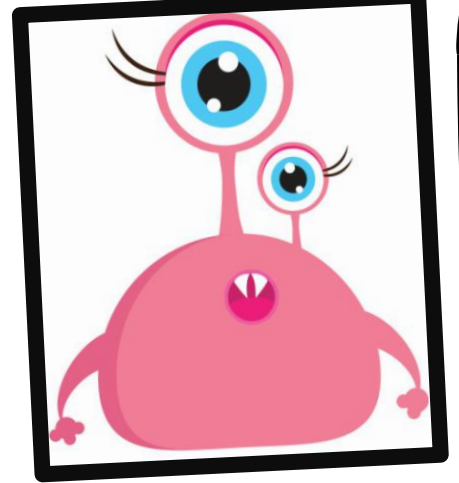
14. Jupiter is the _____ planet in the solar system. It is _____ times as massive as Earth.

15. How far is Jupiter from the sun?



Saturn

Draw a picture of [Saturn](#) in the box below.



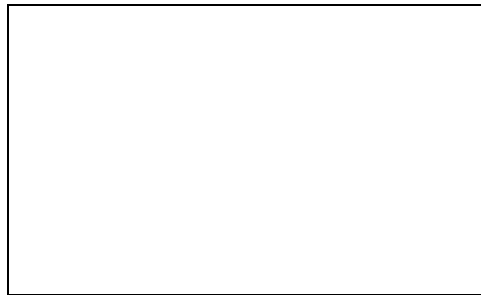
Read through the paragraph about Saturn to answer the following questions.

16. Saturn is the second _____ planet in the solar system. If Saturn were hollow, _____ earths could fit inside of it.

17. How far is Saturn from the sun? _____

Uranus

Draw a picture of [Uranus](#) in the box below.



Read through the paragraph about Uranus to answer the following questions.

18. Uranus is the _____ largest planet in the solar system. If it were hollow, _____ earths could fit inside of it.

19. How far is Uranus from the sun? _____

Neptune

Draw a picture of [Neptune](#) in the box below.



Read through the paragraph about Neptune to answer the following questions.

20. Neptune is the _____ largest planet in the solar system. If it were hollow, _____ earths could fit inside of it.

21. How far is Neptune from the sun? _____

Moon

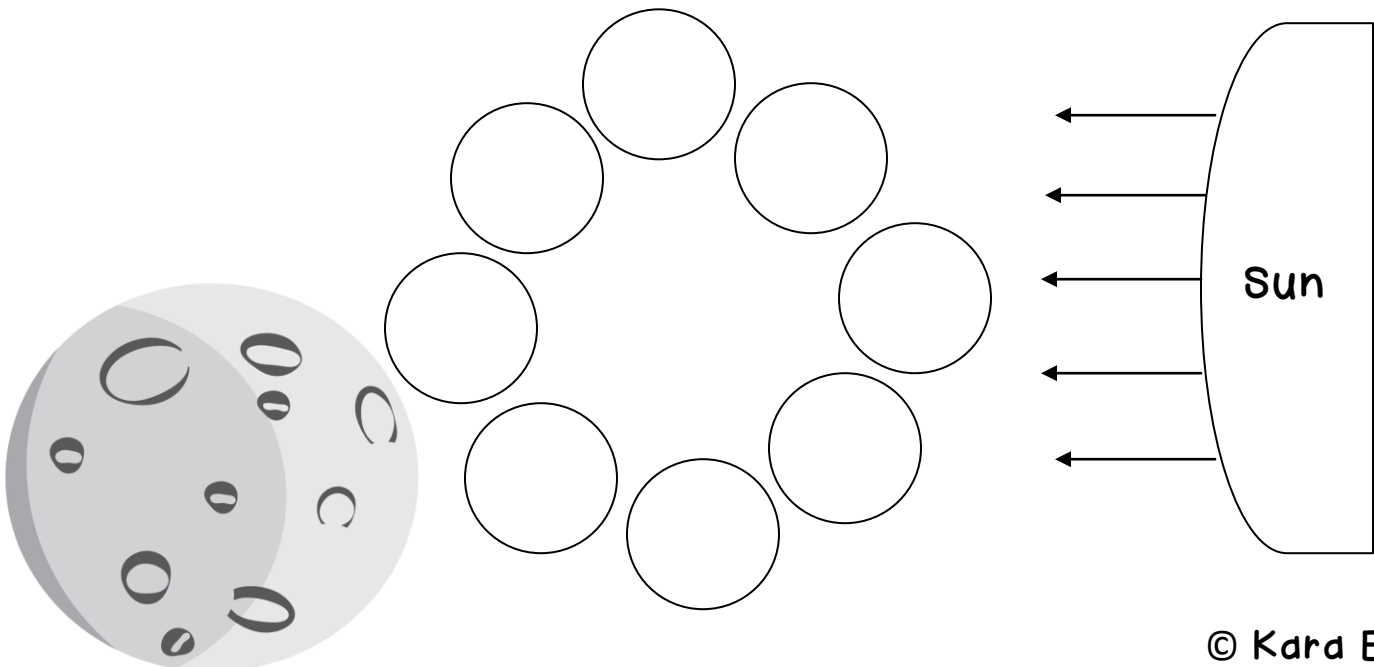
Read the passage and watch the video about the [moon](#). Write down three interesting facts that you learned.

1. _____
2. _____
3. _____

Write the [phases of the moon](#) below.

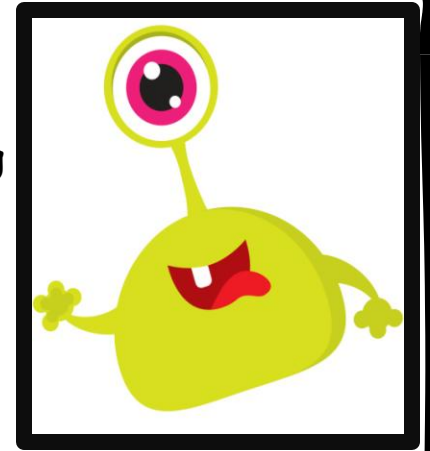
- | | |
|---------|---------|
| - _____ | - _____ |
| - _____ | - _____ |
| - _____ | - _____ |
| - _____ | - _____ |

Use the picture to help fill in the circles by drawing the [phases of the moon](#). Put your cursor over each phase of the moon to see what that phase is called. Write the name of each phase by the circles.



Stars

Read the paragraph in lime green to answer the following questions about stars.

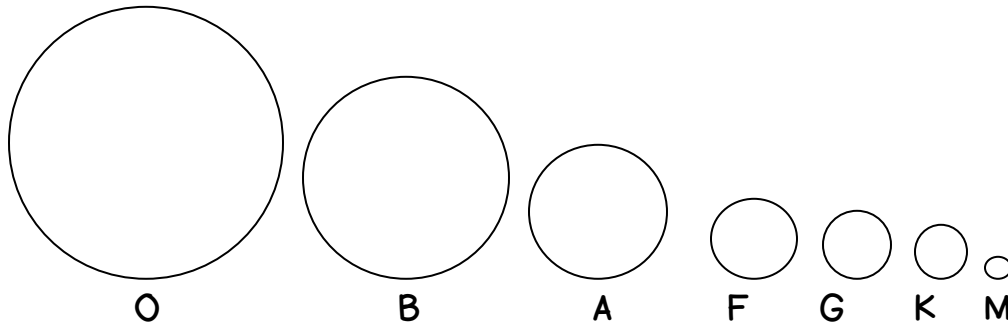


1. What are stars classified by?

2. How many types of stars are there? _____

3. Type O stars are the _____ and type M stars are the _____.

Color the stars according to the diagram and information on the website.

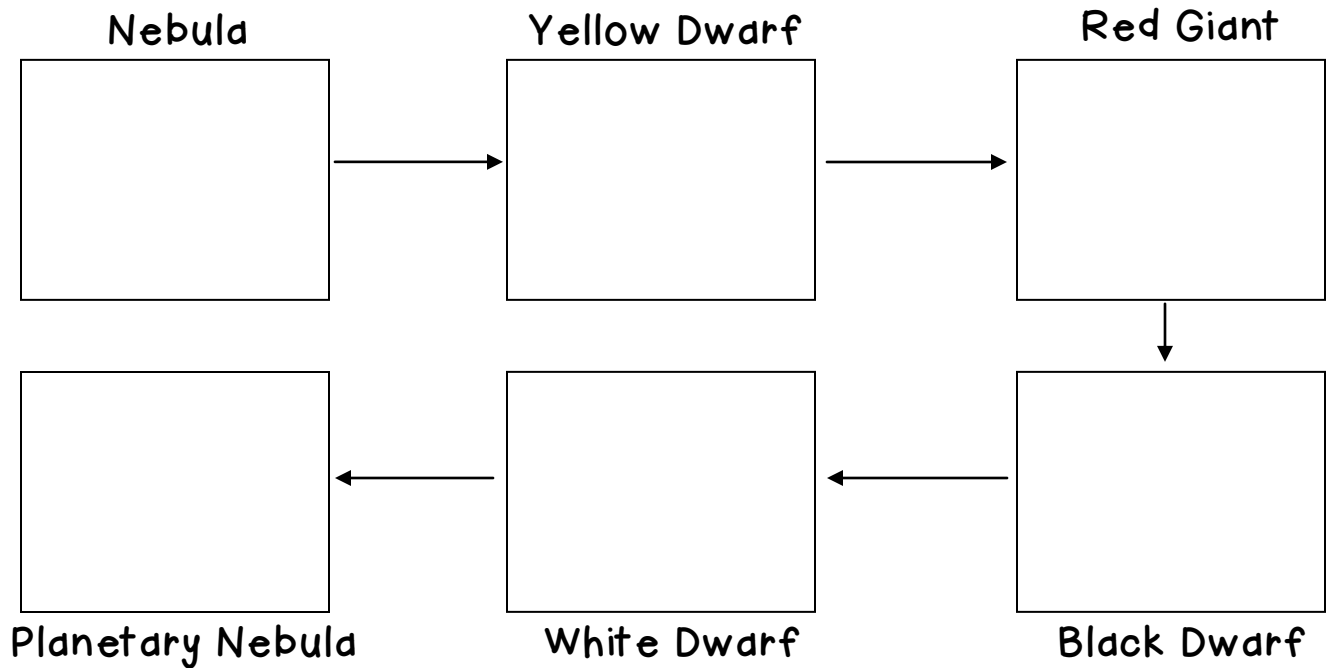


Fill in the chart by using the information about the surface temperature and radius of the stars in comparison to the sun.

Type	Surface Temperature	Radius in Comparison to the Sun
O		____ x the sun
B		____ x the sun
A		____ x the sun
F		____ x the sun
G		____ x the sun
K		____ x the sun
M		____ x the sun

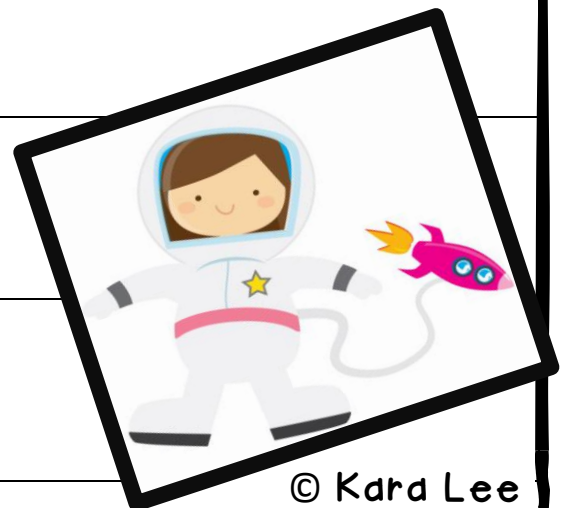
Use the [star life cycle](#) webpage to help fill in the chart below.

4. Draw pictures of the 6 stages of a stars lifecycle.



Click on the different stages of the stars lifecycle. In the chart below, write what happens at that stage of the stars lifecycle in your own words.

Star	Explanation of this stage of a stars lifecycle
Nebula (Stellar Nursery)	
Yellow Dwarf	
Red Giant	
Black Dwarf	

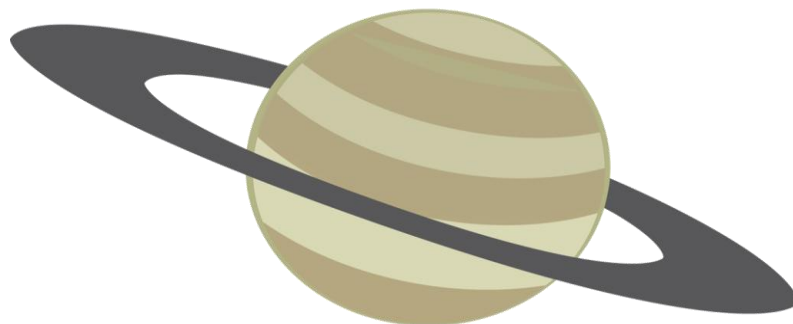


White Dwarf	
Planetary Nebula	

Day & Night Cycle

Read the paragraphs about the [day and night cycle](#) to fill in the blanks and answer the questions below.

1. It takes earth _____ hours to make one complete turn on its _____.
2. The sun lights up one _____ of the Earth, and the other half is in _____.
3. As the earth spins on its axis, we move from _____ to _____ and back to _____ and so on.
4. During the day, why is it that the sun appears to be moving through the sky? _____
5. During the night, we cannot see the sun. However, is the earth still spinning on its axis? _____



Seasons

Read the paragraphs about seasons to fill in the blanks and answer the questions below.

1. In your own words, explain why seasons occur.

2. The earth rotates around the sun every -----.

3. What are the 2 major effects of the earth's tilt?

- -----
- -----

