Name _____ Date _____ Period _____ 30

Objects in our Solar System

Activity 1 – Can You Classify?

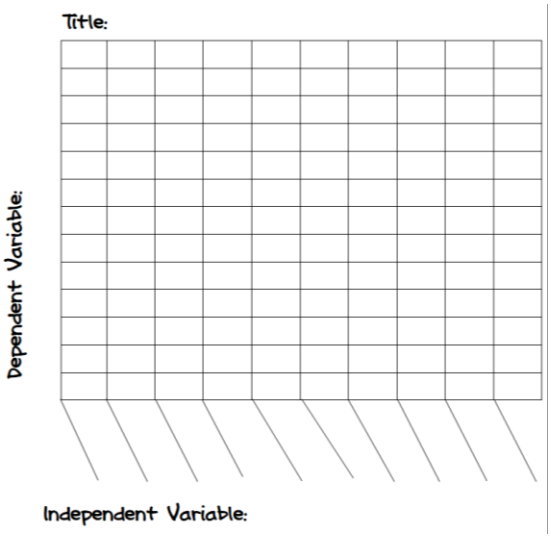
Use the cards provided to fill in the data tables and help you make sense of objects found in our solar system. Your groups of cards should include Objects A, B, C, D, E, F, G, H, J, and L (I know it's out of order, I like to mess with your brains a little)

	Characteristics of Objects				
Object	Distance From the Sun in AU	Orbit around Sun	Primary Composition	Diameter	Temperature
A					
B					
C					
D					
E					
F					
G					
H					
J					
L					

Activity 2 – Graphing the Data

Use the information to create a graph that represents the data gathered from activity 1 and answer the questions for each of the graphs.

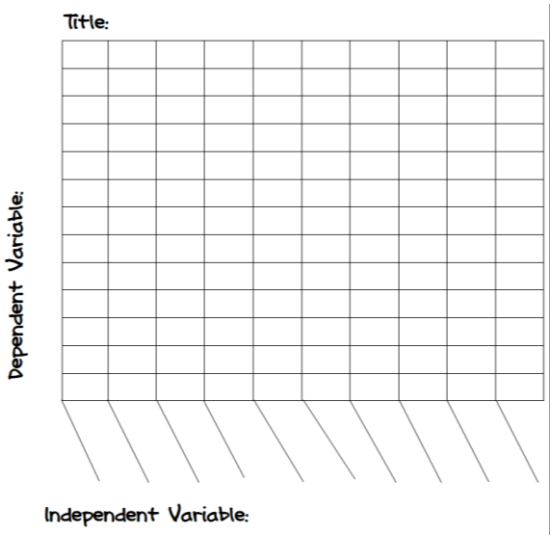
Graph #1 – Create a bar graph showing the distance from the sun for each object.



Analysis Questions – make sure to write full sentences to earn full points.

1. Which object is closer to the Sun?
2. Which object is farthest from the sun?
3. What is different between objects A and L in this graph?
4. What is different between object B and C in this graph?

Graph #2 – Create a bar graph showing the diameter of each object.



Analysis Questions – make sure to write full sentences to earn full points.

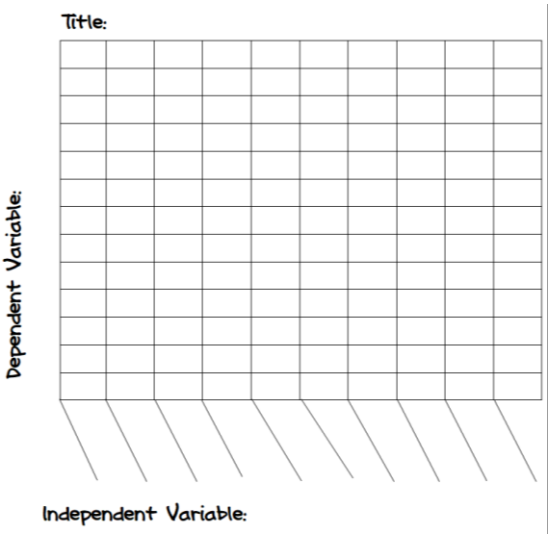
5. Which object has the largest diameter?

6. Which object has the smallest diameter?

7. What is one difference between object D and J in this graph?

8. Is the largest object with the largest diameter also the farthest away from the Sun? (look at both graphs)Explain your answer in a complete sentence.

Graph #3 – Create a bar graph showing the temperature of each object.



Analysis Questions – make sure to write full sentences to earn full points.

9. Which object has the highest temperature?

10. Is the object with the highest temperature closest to the sun or farther away?

11. Does the object with the highest temperature have the largest diameter?

12. How are objects E and G different in this graph?

13. Which object has the lowest temperature?

14. Is the object with the lowest temperature farthest to the sun or closer?

15. Does the object with the lowest temperature have the smallest diameter?

16. How are objects F and H different in this graph.

17. What is one of the CCC's the graphs are showing in this assignment?