After reading "Space Race: The Game", answer the questions below:
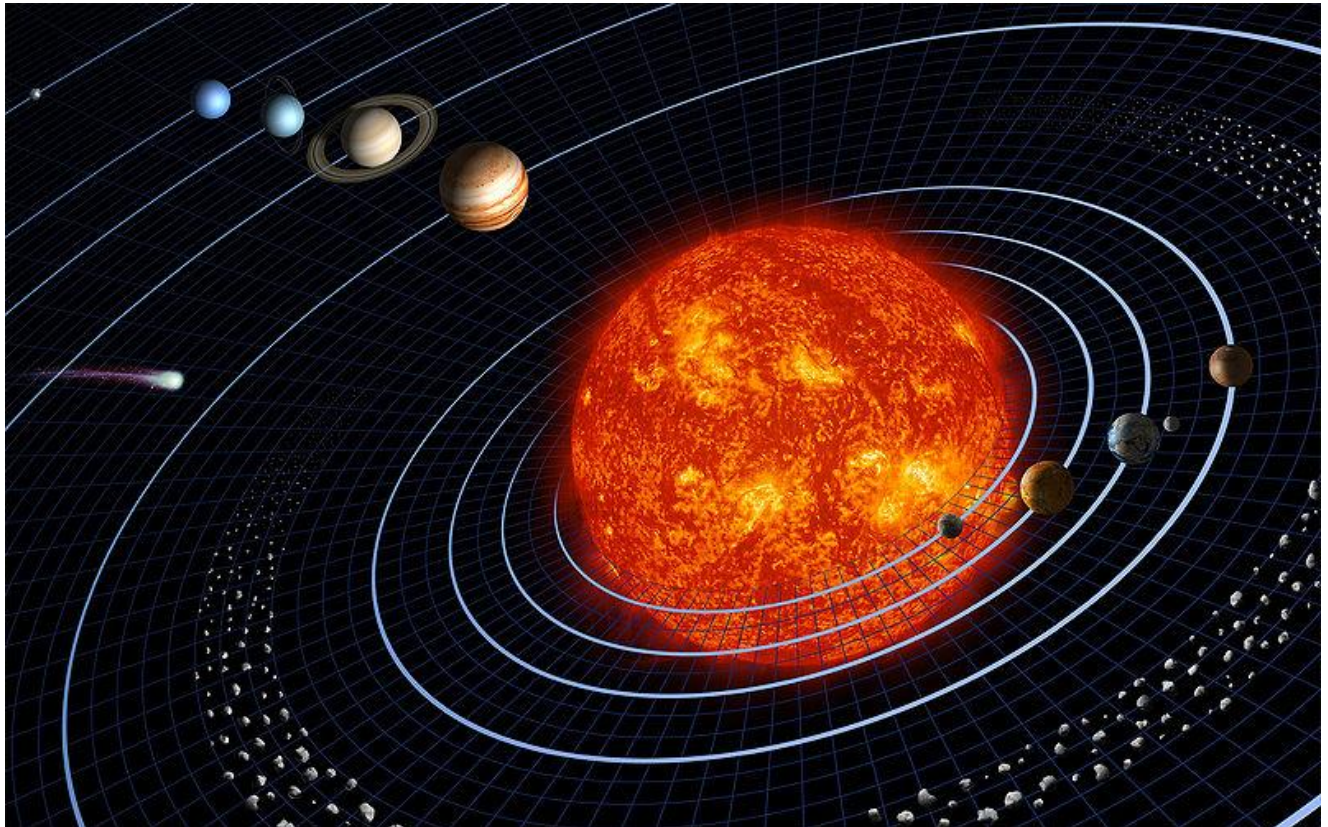
1. List the planets in order, starting with the planet closest to the sun.

1st	
2nd	
3rd	
4th	
5th	
6th	
7th	
8th	

2. Once you have the planets in the correct order calculate the actual diameters of the planets in feet, and if you can, in miles with the given unseen diameters and scale.

Unseen Diameter (feet)	Multiply By	Actual Diameter (feet)	Actual Diameter (miles)
4	4,002,240		
10	3,971,088		
11	3,804,480		
6	3,715,360		
12	39,092,240		
10	39,545,616		
5	33,541,728		
4	40,623,000		

3. What is the object that separates the 4 inner planets from the 4 outer planets?

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Steps to play "Space Race: The Game".
   1. Start at the Sun with your partner.
   2. Place the tape measure at the "sun spot" on the edge of the Sun.
   3. While one person holds the tape measure very carefully, the other person will pull the tape measure to the 1st planet's marker.
   4. Read the distance from the tape measure in feet and record it in the table on the last page.
   5. Repeat these steps, always measuring from the Sun, until you are done with the 8th planet.

4. Fill out the table with your partner to complete "Space Race: The Game".

Planet	Measured Distance (feet)	Multiply By:	Actual Distance (feet)	Actual Distance (miles)