Lesson 11 - Student Worksheet

Planetary Trading Cards

The nine planets of our solar system have different characteristics because of their composition (what they are made of). They have different colors and different features because of their rocks, their atmosphere (air) and their temperatures.

For this lesson, you will find out about the different characteristics of the nine planets in our solar system.

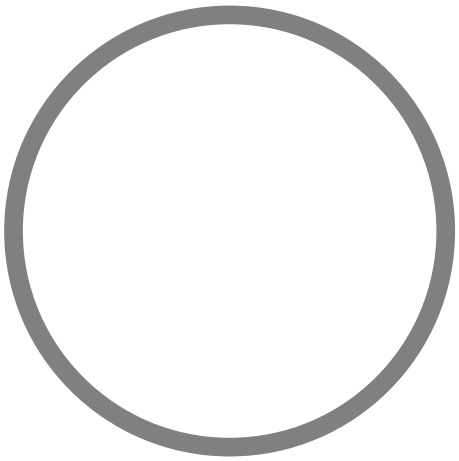
1. Using a variety of sources, find the planetary facts listed on your Planetary Trading Cards.

2. Go to the Student Place, Mission Prep. and connect to the Celestia Exploration Activity to find the planetary facts. Click on any planet to begin your research. Find more cool facts by clicking on the "constellation" link at the top page to explore the Solar Exploration site.

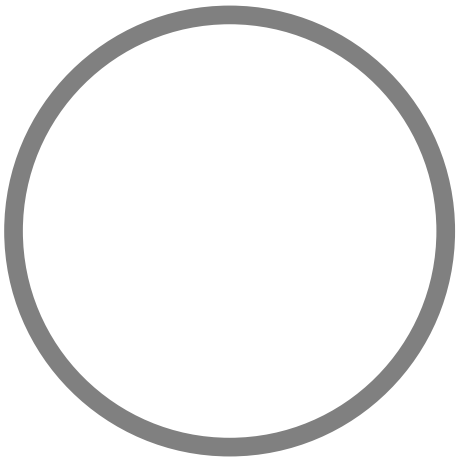
3. Make the Planetary Trading Cards and color the planets and major features of the planets in the space provided.

You will be using these cards to construct your class Planetary Poster and you will also be using the poster and the facts for your mission work. It is important that you do a good job!!

Planetary Trading Cards

 MERCURY	Planetary Order: Planet Size: _____ Kilometers Rotation Time (Earth Days): Orbit Time (Earth Years): Orbit Time (Earth Days):
How much would you weigh on this planet if you weighed 100 pounds on Earth?	
Distance from the Sun (1AU = 150,000,000km) AU's: Kilometers:	
Number of Moons: Major Moons:	
Planet named for:	
Mean Temperature:	
Surface Description:	
Cool Facts:	

Planetary Trading Cards



VENUS

Planetary Order:

Planet Size: _____ Kilometers

Rotation Time (Earth Days):

Orbit Time (Earth Years):

Orbit Time (Earth Days):

How much would you weigh on this planet if you weighed 100 pounds on Earth?

Distance from the Sun (1AU = 150,000,000km)
AU's: Kilometers:

Number of Moons: Major Moons:

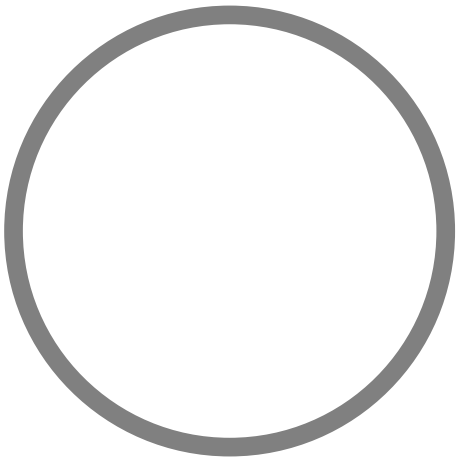
Planet named for:

Mean Temperature:

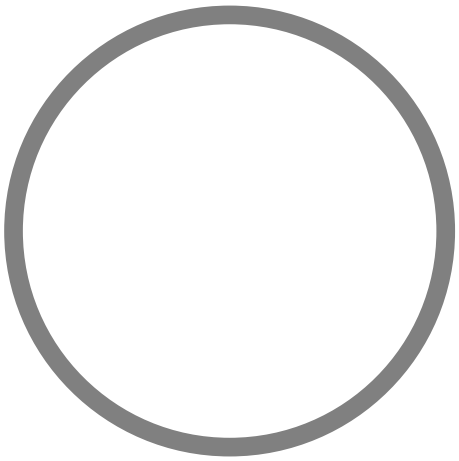
Surface Description:

Cool Facts:

Planetary Trading Cards

 EARTH	Planetary Order: Planet Size: _____ Kilometers Rotation Time (Earth Days): Orbit Time (Earth Years): Orbit Time (Earth Days):
How much would you weigh on this planet if you weighed 100 pounds on Earth?	
Distance from the Sun (1AU = 150,000,000km) AU's: Kilometers:	
Number of Moons: Major Moons:	
Planet named for:	
Mean Temperature:	
Surface Description:	
Cool Facts:	

Planetary Trading Cards



MARS

Planetary Order:

Planet Size: _____ Kilometers

Rotation Time (Earth Days):

Orbit Time (Earth Years):

Orbit Time (Earth Days):

How much would you weigh on this planet if you weighed 100 pounds on Earth?

Distance from the Sun (1AU = 150,000,000km)
AU's: Kilometers:

Number of Moons: Major Moons:

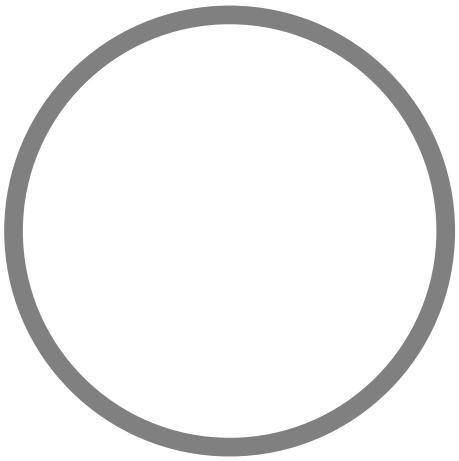
Planet named for:

Mean Temperature:

Surface Description:

Cool Facts:

Planetary Trading Cards



JUPITER

Planetary Order:

Planet Size: _____ Kilometers

Rotation Time (Earth Days):

Orbit Time (Earth Years):

Orbit Time (Earth Days):

How much would you weigh on this planet if you weighed 100 pounds on Earth?

Distance from the Sun (1AU = 150,000,000km)
AU's: Kilometers:

Number of Moons: Major Moons:

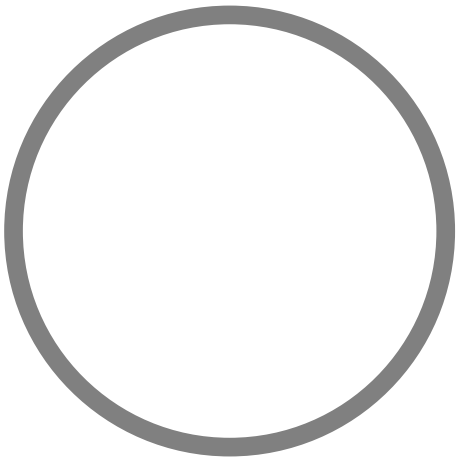
Planet named for:

Mean Temperature:

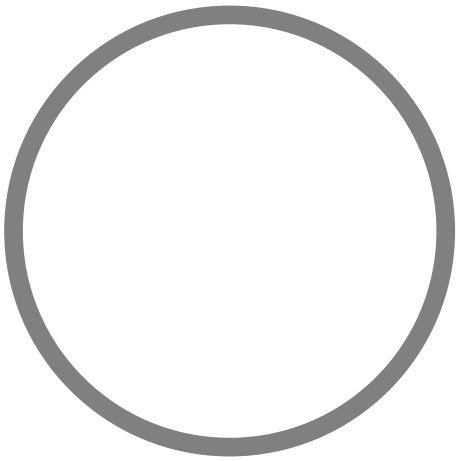
Surface Description:

Cool Facts:

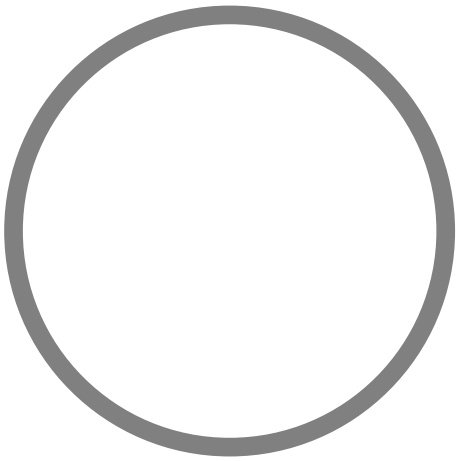
Planetary Trading Cards

 SATURN	Planetary Order:
	Planet Size: _____ Kilometers
	Rotation Time (Earth Days):
	Orbit Time (Earth Years):
	Orbit Time (Earth Days):
How much would you weigh on this planet if you weighed 100 pounds on Earth?	
Distance from the Sun (1AU = 150,000,000km) AU's: Kilometers:	
Number of Moons: Major Moons:	
Planet named for:	
Mean Temperature:	
Surface Description:	
Cool Facts:	

Planetary Trading Cards

 URANUS	Planetary Order: Planet Size: _____ Kilometers Rotation Time (Earth Days): Orbit Time (Earth Years): Orbit Time (Earth Days):
How much would you weigh on this planet if you weighed 100 pounds on Earth?	
Distance from the Sun (1AU = 150,000,000km) AU's: Kilometers:	
Number of Moons: Major Moons:	
Planet named for:	
Mean Temperature:	
Surface Description:	
Cool Facts:	

Planetary Trading Cards



NEPTUNE

Planetary Order:

Planet Size: _____ Kilometers

Rotation Time (Earth Days):

Orbit Time (Earth Years):

Orbit Time (Earth Days):

How much would you weigh on this planet if you weighed 100 pounds on Earth?

Distance from the Sun (1AU = 150,000,000km)
AU's: Kilometers:

Number of Moons: Major Moons:

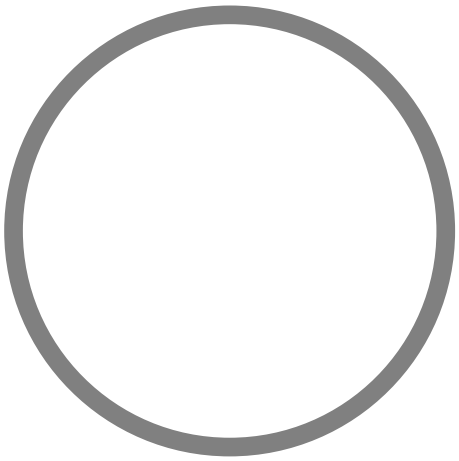
Planet named for:

Mean Temperature:

Surface Description:

Cool Facts:

Planetary Trading Cards



PLUTO

Planetary Order:

Planet Size: _____ Kilometers

Rotation Time (Earth Days):

Orbit Time (Earth Years):

Orbit Time (Earth Days):

How much would you weigh on this planet if you weighed 100 pounds on Earth?

Distance from the Sun (1AU = 150,000,000km)
AU's: Kilometers:

Number of Moons: Major Moons:

Planet named for:

Mean Temperature:

Surface Description:

Cool Facts: