Item #: _____ Planet (and Sun) WebQuest: Name: _____

Use the NASA Solar System Exploration page (google search: NASA planets (first link) OR go to this web address: http://solarsystem.nasa.gov/planets/) to answer the following questions.

MERCURY

1.List 1 INTERESTING fact about this planet.

2. Size (if Sun is as big as front door)?
3. How many Earth days is equal to a Mercury day?
4. Mercury's revolution (year):

VENUS

1.List 1 INTERESTING fact about this planet.

2. Size (if Sun is as big as front door)?
3. Why does the sun rise in the west and set in the east on Venus?
4. How many Earth days is equal to a Venus day?
5. Revolution/year?

EARTH

1.List 1 INTERESTING fact about this planet.

2. Size (if Sun is as big as front door)?
3. When was the Earth formed?
4. What is unique about the Earth's surface?

MARS

1.List 1 INTERESTING fact about this planet.

2. Size (if Sun is as big as front door)?
3. Revolution/year?
4. Briefly describe Mars surface:

JUPITER

1.List 1 INTERESTING fact about this planet.

2. Diameter (Radius x 2)?_____ Size (if Sun is as big as front door)? _____
3. What is the most famous feature on Jupiter and what is it really?
4. Revolution/year?
5. How many moons?

SATURN

1.List 1 INTERESTING fact about this planet.

2. Size (if Sun is as big as front door)?
3. Revolution/year?
4. How many rings does Saturn have?

URANUS
1.List 1 INTERESTING fact about this planet.

2. Size (if Sun is as big as front door)?
3. What is unique about Uranus' north and south pole? Explain.
4. Revolution/year?
5. What is the only spacecraft that has "visited" Uranus?

NEPTUNE
1.List 1 INTERESTING fact about this planet.

2. Size (if Sun is as big as front door)?
3. Revolution/year?
4. How far away from the sun is Neptune?

Go back to the "home" page. Scroll Down to the Sun and complete:
SUN (click on the "MORE" box to read about our Sun!)
1.List 1 INTERESTING fact about this star.

2.How many Earth's would match the MASS of the Sun?
3. How many Earth's would match the VOLUME (how much space it takes up) of the Sun?
4. How many years does it take our solar system to complete one orbit around the Milky Way?
5. At the core of the Sun:
    a. What is the temperature?
    b. _____ atoms _____ to make _____!! (Wow, that means it is HOT and EXPLOSIVE and INTENSE and CRAZY there!!!)

Solar flares and winds (charged particles) cause the _____ and _____ lights on Earth (Go back to Earth: Magnetosphere)

Time to draw/color! ☺
On the back of this sheet, draw, color, and label each planet **in order** from the Sun. Be sure the circle size (and color) of each planet relates/compares to its "real size" (use the planets' diameters to help guide you) and color. For example, if Mercury is smaller than Earth then I need to draw a smaller circle for Mercury and a larger circle for Earth. Vice versa for Earth and Jupiter, etc.…

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