Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

**Origin of the Solar System**

**Performance Task - *Clay Models***

**Instructions:**

Make a model of a *geocentric* solar system and a model of a *heliocentric* solar system.

**Materials:**

· pieces of modeling clay, 5 – 10 different colors

· 2 pieces of copy paper

**Vocabulary:**

|  |  |  |  |
| --- | --- | --- | --- |
| Geocentric |  | Heliocentric |  |
| Prefix: |  | Prefix: |  |
| Suffix: |  | Suffix: |  |
| Definition: |  | Definition: |  |

**Steps:**

1. On a clean piece of paper, use the pieces of clay to create a model of a *geocentric* solar system.

2. On a clean piece of paper, use the pieces of clay to create a model of a *heliocentric* solar system.

**Analysis:**

The geocentric model was developed by Ptolemy around 150 AD in ancient Greece. The heliocentric model was developed by Copernicus, a Polish scientist, in the 1540s. It is still the model we use today.

Develop **five** questions about these models

My questions:

***When you are finished:*** read p. 10 – 13 in your textbook and draw a picture of the heliocentric and geocentric model on the back of this page