

Name \_\_\_\_\_

Date \_\_\_\_\_

### How to Make Our Planets from Scratch: A Recipe Book

**Challenge:** Prove beyond a reasonable doubt that your planet is in its place within the solar system for a reason and develop a recipe for how it was created.

<b>Expectations for the Handout</b>	<b>Quality of Work</b>		
We expect that you will approach the following requirements	Points Possible	Points Earned	Comments
<b>CONTENT</b>			
<b>Name</b> of the planet (and your name too)	1		
<b>Geology of the planet:</b> What elements are present and what role do they play in defining your planet?	5		
<b>Orbit:</b> What is the speed, shape, size and its effect on planetary positions in our solar system?	5		
<b>Rotation:</b> How long is a day and how the speed of rotation affect your planets' position in the solar system?	5		
<b>Climate conditions:</b> What is the temperature, humidity, atmospheric pressure?	5		
<b>Atmosphere:</b> Do you have one and how does it affect your planet?	5		
<b>Formation:</b> Did you reference how the planet was created with ingredients left over from the formation of our sun?	5		
<b>Physics Concepts:</b> Did you apply knowledge of gravity, density, nuclear force and electromagnetism to the organization of the solar system?	5		
<b>Sources:</b> Did you reference at least 2 sources (1 non-computer based)?	2		
<b>PRESENTATION CONTAINED THE FOLLOWING</b>			
Key terms, in bold with clearly labeled content and organized in the form of a handout	4		
Assignment turned in on time	4		
Individual self-evaluation including a completed rubric and 3 sentences reflecting on the research process and your role in developing the product	4		
<b>Total</b>	50		
<b>Comments (3 sentences minimum):</b>			

