Unit 4,	Lesson	1
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Name		Section	Date		
Do Now	LT: I can define different elements of the solar system Do Now: 1. List the following from smallest (1) to largest (4): Galaxy Earth Universe Solar System 2. List 3-4 things that can be found in the solar system (example: planet)				
	Intro the Thre	eshold 4: The Earth a	nd the Solar System		
	Video Clip (7 minutes hat does is mean for s	something to be "to scale?"	•		
2. Ho	ow many miles did he	need to make this scale mod	del of the solar system?		
3. W	hy do you think Earth	and the Solar System is thre	eshold 4?		
As you theory, in the ι	, the universe began _ universe was packed in	ne Big Bang as the origin stor	ry of the universe. According to this go, when all the and I can imagine. When it		
cloud o	of, caused th ed together and fused	, and electron ese to clump together into o	ore than an incredibly hot, murky as. As the universe cooled, dense clouds. Hydrogen atoms g energy called		
These a	are our stars.				
collaps elemer and which o	e and expand a numb nt. Some of the most o can only be found in _	er of times, each time creati common elements are Some elements need extrer	ng on its, it can ing a heavier, more complex, mely hot temperatures to form,		
Liemer	its are important beca	iuse	·		

Part 3: Parts of a Solar System Definitions

Write a 1-2 sentence definition of the parts of a solar system. Work on putting things in your own words. When you are done, rank the parts of the solar system from most valuable (1) to least valuable (6).

Part of the Solar System	Definition	Ranking (1-6)

Part 4: Thinking Bigger.

1. What did you list as the most valuable part? Why?

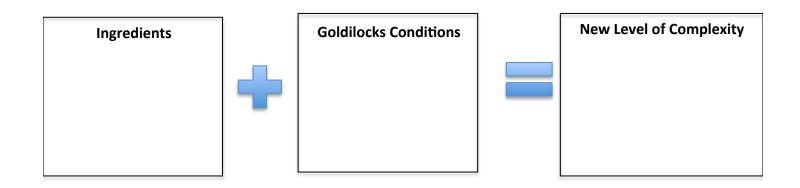
2. What did you list as the least valuable part? Why?

Unit 4: Earth and the Solar System

Driving Question: How and why do theories become generally accepted?

Unit Description: In your mind, you should divide this unit into two parts. First, we're going to look at how the solar system formed and how the planets are similar and different. Then we're going to zoom in on Earth and look at how the continents and oceans formed. This unit is expected to end by winter break, December 23rd.

By the end of the unit, you	should understand and be able to:
•	t of accretion and use it to explain the formation of the stars and
planets	
Describe the Earth	's unique features
Independently res	earch a question, evaluating and citing sources
☐ Describe the theo	ry of plate tectonics
☐ Describe the effec	t plate tectonics has on the geography of the continents.
Your assessments this unit	will be:
☐ A travel brochure	about a planet
☐Some sort of resear planets?)	arch paper (maybe on whether or not there's life on other



Key Vocabulary

Vocab Word	Definition