**Everything You Ever Wanted to Know About the Formation of Earth and the Solar System Questions Part 2**

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| **How Our Solar System Formed Reading Questions** |
| Questions | Notes |
| How did our solar system and the Earth form? | 1. *How did the Earth form?*
2. *Was the process driven by small particles being drawn together or by large masses colliding together?*
3. *How old is our Solar System?*
4. *How are rocky planets different from gas planets?*
5. *How is the Earth different from the other rocky planets?*
6. *How did our Moon form?*
7. *How does the Moon impact life on Earth?*
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| Summary (What is the **BIG** idea presented in the reading): |

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| **What Was Young Earth Like Video Questions** |
| Questions |  |
| What were the conditions like on the early Earth? | Part I1. 1:08 What challenges would humans have faced if they lived on the early Earth?
2. 2:23 Why was the early Earth so hot?
3. 3:57 Why is it important that the inner core of the Earth is metal?
4. 4:18 How is the mantle different from the core of the Earth?
5. 4:40 How is the crust different from the mantle?
6. 4:47 How did the Earth’s atmosphere form?

Part II1. 6:18 What important hypothesis did Alfred Wegener make about the Earth, and what was his evidence?
2. 6:33 What was this supercontinent called?
3. 7:04 Why were many scientists unwilling to accept Wegener’s hypothesis?
4. 7:59 When and how did an explanation for the movement of the Earth’s plates come together?
5. 8:57 How does continental crust differ from oceanic crust?
6. 9:37 How were the Andes and Himalayas formed?
7. 10:59 What is plate tectonics?
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| Summary (What is the **BIG** idea presented in the video): |

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| **The Early Atmosphere Video Questions** |
| Questions |  |
| What was the atmosphere of early Earth like? | 1. *0:37 How did the first atmosphere of the Earth form?*
2. *0:48 What is the “greenhouse effect,” and how did the conditions on the early Earth allow for its development?*
3. *1:41 How did the formation of the Moon impact the Earth?*

1. *2:11 How did the Earth’s atmosphere change during the Hadean eon?*
2. *3:07 How did the Earth’s atmosphere change during the Archaean eon?*
3. *3:55 What was the Great Oxidation Event and why did it happen?*
4. *4:50 How did the buildup of oxygen in the atmosphere impact that Earth’s climate?*
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| Summary (What is the **BIG** idea presented in the video): |