**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?* |
| 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 I   1. 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 II   1. 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? |
| 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?* |
| Summary (What is the **BIG** idea presented in the video): | |