

NOVA Video Questions: "Origins: Earth is Born"

Earth Science

Mr. Traeger

Name: _____ Period: _____ Date: _____

Answer the questions that follow to the best of your ability. The questions are in chronological order.

1. How many years ago was Earth thought to have formed?
2. Where did all the chemical elements in our solar system come from?
3. Where did the lighter elements like Hydrogen and Helium go to when the solar system formed?
4. What chemical element is our sun burning for fuel?
5. Where did the heavier elements like Iron go to when the solar system formed?
6. Describe the formation of our solar system. See pages 685 to 690 for details.
7. Would you expect all of the inner planets (Mercury, Venus, Earth, and Mars) to have the same chemistry? Why or why not?
8. How do meteor impacts help us to reconstruct what the Earth was like in its early days?
9. What kind of chemistry do meteorites have? In other words, what are they made of?
10. What generated, and continues to generate, all of the heat inside of the Earth?

