NOVA Video Questions: "Origins: Earth is Born" Mr. Traeger

Earth Science

Name:		Period:	Date:
Ans	swer the questions that follow to the best o	of your ability. Th	he questions are in chronological order.
1.	How many years ago was Earth thought t	to have formed?	?
2.	Where did all the chemical elements in ou	ur solar system	come from?
3.	Where did the lighter elements like Hydro	ogen and Helium	n go to when the solar system formed?
4.	What chemical element is our sun burning	g 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	m. See pages 6	85 to 690 for details.
7.	Would you expect all of the inner planets chemistry? Why or why not?	(Mercury, Venu	us, Earth, and Mars) to have the same
8.	How do meteor impacts help us to recons	struct what the E	Earth was like in its early days?
9.	What kind of chemistry do meteorites hav	e? In other wor	ds, what are they made of?
10.	What generated, and continues to genera	ate, all of the he	at inside of the Earth?

NOVA Video Questions: "Origins: Earth is Born"

15. What happened to the molten iron core of Mars? What happened to its magnetic field as a result?

11.	. Diagram the four basic layers of our Earth. See page 28 for help.	

19. What was the original atmosphere of earth like?

18. How did water show up on our planet?

16. How is our moon thought to have formed?

12. Why is our Earth magnetic?

14. What is the Solar Wind?

13. How does Earth magnetic field protect us from solar radiation?

17. What happened to the original crust of the earth? Why did it disappear?