Earth and Life History Absolute Dating

Name:

Period:

Use Chapter 8, Section 3 of your textbook to answer the questions below.

Absolute Dating (p.246)	
number of years the object has existent	helps scientists to learn the age of an object by figuring out the ed.
Radioactive Decay (p.246)	
2	happens when a radioactive isotope breaks down.
3. Different types of isotopes will the rate of decay is	at different rates, but for each type of isotope,
Dating Rocks—Parent and Daughter	Isotopes (p.247)
4. To date rocks, geologists	the amount of parent isotope and daughter isotope.
Radiometric Dating (p.247)	
5	helps geologists figure out the absolute age of a
The Most Useful Rock Samples (p.24	77)
6. Geologists prefer to use	rocks for radiometric dating.
Using Radiometric Dating (p.248)	
7. The of a	n isotope determines how the isotope can be used for dating.
Methods of Radiometric Dating (p.24	8)
8. By using radiometric dating, geologis million years ago.	sts figured out that the rock of Half Dome was eroded about
The Age of Our Solar System (p.249)	
9. There are no rocks from	left that are as old as our planet.
10. What rocks have been found on Ea	rth that are as old as our solar system?
11. Look at Figure 4. Where are these	rock samples being collected from? the
12. We know Earth is 4.6 billion years o	old by using the process of
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