	lls Worksheet)			
Directed Reading B				
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Section: Absolute Dating (pp. 246–249)				
1. \	What is the purpose of absolute dating?			
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	IOACTIVE DECAY			
	Atoms of the same element that have the same number of protons but a			
d	lifferent number of neutrons are called			
	When an isotope is, it does not undergo			
r	adioactive decay.			
4. V	When an isotope is, it is called radioactive.			
5. I	Ouring, an unstable isotope breaks down into			
a	stable isotope.			
6. I	How do scientists use isotopes to determine the age of an object?			
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7. A	An unstable isotope is called a(n) isotope.			
8. T	The stable isotope is called the isotope.			
9. T	. The more daughter material there is in a rock sample, the			
_	the rock is.			
10. I	Determining the age of a sample based on the ratio of parent material to			
d	laughter material is called			
	The time it takes for one-half of a radioactive sample to decay is called			
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a	·(L1)			

Name	Class	Date
Directed Reading B continued		
12. After every half-life, what has	s happened to the par	rent material in an object?
13. The best types of rock sample	es to use for radiome	etric dating
are	_ rocks.	
USING RADIOMETRIC DATING		
14. To date the age of our solar s	ystem, scientists per	form radiometric dating
on moon rocks and		
Match the correct description with provided.	h the correct term. W	rite the letter in the space
15. used mainly for dating 100,000 years	grocks older than	a. potassium-argonb. uranium-lead
16. used to date rocks old years; half-life of isoto		S