Name	4	Geologic Time
Date:	Period:	Earth Science
	Review: Geologic Time	
	ions: Carefully read over the checklist of items that you need to know for the e to attend extra help if you have any questions.	"Geologic Time" test.
EARL	Y EVOLUTION	
	Term to Know: outgassing Earth Science Reference Tables: Geologic History of New York State Earth is 4.6 billion years old Earth separated into its layers according to density The Cambrian Explosion [Burgess Shale] began the great diversity of life on	Earth
RELAT	TIVE DATING	
	Terms to Know: uniformitarianism, relative dating, original horizontality, corresponding states that the oldest layer is usually the oldest and youngest Intrusions are an exception to superposition and are younger then the rock Contact Metamorphism in younger then the rock they crosscut Faults in younger then the rock they crosscut Folds are an exception to superposition Index Fossils are used to identify a geologic period and used to correlate To be considered a good index fossil it needs to meet two criteria:  1. The organism existed over a large geographic area  2. The organism existed over a short time  Geologic Time Markers represent a specific date in a rock sequence [volcar Know how to interpret a rock cross-section and sequence rock formation as	t is on the top they crosscut nic eruptions]
ABSO	LUTE DATING	
	Terms to Know: absolute dating, radioactive decay, isotope Half-life is the time required for half of a radioactive product to decay to a st Nothing can change half-life NOTHING! Earth Science Reference Tables: Radioactive Decay Data Carbon-14 [C-14] is used to date recent organic remains Carbon-14 can only accurately date to 50,000 years Uranium-238 [Ur-238 is used to date really old rocks	able product