Unit --: Lesson: Earth's History

How do we det	fine the Age of Dinosaurs?	230 million years agoEarth's history about 4.6 billion years long
What are foss	ils?	 the remains of organisms, such as animals and plants, that have been preserved in rock for millions of years. Usually found in the form of imprints (ex. dino footprint) Organisms become fossilized as they are submerged in water and buried by layers of sediment, subjected to pressure for millions of
/ocabulary		years
	absolute dating: <u>eon</u> :	process of determining a specific date of an object the longest unit of geological time
	era:	a major division of geologic time that is a subdivision of an eon
	<u>oru</u> .	 the period of time covering the physical formation and development of the earth
	geologic time:	 a visualization of how the earth and its lifeforms have changed through geologic time
	geologic timeline:	 the time required for half the atoms in an element to divide in half
	<u>half-life:</u>	the extinction of a large number of species in a short period of time that is usually caused by a catastrophic global event like an asteroid
	mass extinction event:	a division of geologic time and a subdivision of an era
	period:	the process by which an unstable nucleus of an atom spontaneously releases energy through the emission of radiation used in dating fossils and rocks.
	radioactive delay:	 the process of determining the order of events in geologic time
	relative dating:	1. Relative time: the sequence of events or the order in which something occurred
		2. absolute time: measuring the radioactive decay of known elements, such as Carbon 14, Potassium-Argon, or Uranium 235.
How do you de	termine the age of fossils	as our son 11, 10 rassiant 711 gon, or or arriant 200.
and rocks?	-	The earth has changed, but the laws of nature remain the same
		 scientists use these laws to figure out what happened in the past Scientist John Playfair says, "Amid all the revolutions of the globe
How do scient history of the	sts piece together the earth?	Nature has been uniform, and her laws are the only things that have resisted (change). The rivers and the rocks, the seas, and the continents have been changed in all their parts; but the laws which describe those
		changes, and the rules to which they are subject, have remained invariably the same."
		 Although things about the earth have changed, the laws to
		explain these changes don't change
		Scientists gain clues like this from fossils all over the world to put