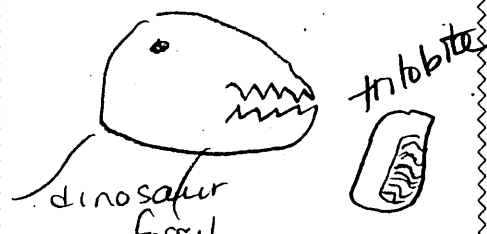
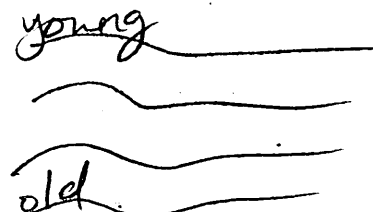
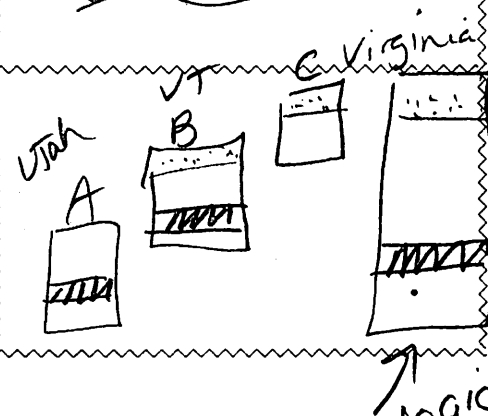


Vocabulary the Rock and Fossil Record

Name: Mrs. Randall
 Chapter: _____

Word	Definition in my own words	Example or Picture
uniformitarianism	a principle that states that geological processes happen over a long period of time - "the present is the key to the past"	uniformitarianism very long word = very long period
catastrophism	a principle that states that geological change occurs SUDDENLY	catastrophe wow SUDDEN
paleontology	the scientific study of fossils	
superposition	a principle that states that younger rocks lie above older rocks	young  old
geologic column	Dated core samples from around the world placed in a ^{master} column to show the rock layers by age	

Vocabulary

Name: _____

Chapter: _____

Word	Definition in my own words	Example or Picture
relative dating	<u>a comparative method</u> <u>of telling whether an</u> <u>object is older or younger</u>	
unconformity	<u>a break in the geologic</u> <u>record created when rock</u> <u>layers are eroded, no</u> <u>sediment layering, or</u> <u>a volcano, earthquake etc</u>	
absolute dating	<u>method of measuring</u> <u>the SPECIFIC age</u> <u>of an object</u>	<p>Aug 18, 2004 Emma ^{young}</p> <p>Feb. 2, 1973 Amy</p> <p>Dec. 6, 1970 RICH</p> <p>January 28, 1948 Dad ^{old}</p>
isotope	<u>Atoms of the same</u> <u>element with different</u> <u>amounts of neutrons</u>	
radioactive decay	<u>when unstable isotopes</u> <u>become stable isotopes</u>	<p>Crazy daughters get better jobs "stable" professions.</p>

Vocabulary

Name: _____

Chapter: _____

Word	Definition in my own words	Example or Picture
radiometric dating	<u>% of how much</u> <u>(unstable)</u> <u>parent material and</u> <u>(stable)</u> <u>daughter material is</u> <u>in an object.</u>	 <p>P = Parent D = Daughter</p> <p>50% 1:1</p> <p>25% - 75% 1:3</p>
half-life	<u>the time needed for</u> <u>half of a sample of a</u> <u>radioactive substance to</u> <u>decay.</u>	
fossil	<u>The trace or remains of</u> <u>an organism that lived</u> <u>long ago (sedimentary)</u>	 <p>trilobite</p>
mold	<u>a mark or cavity</u> <u>made in a sediment</u> <u>by a shell or body</u>	
cast	<u>a type of fossil that</u> <u>forms when sediments fill</u> <u>the cavity of a mold</u>	

Vocabulary

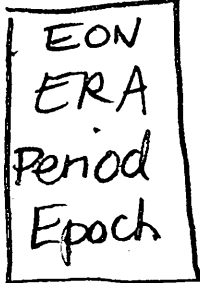




Name: _____
Chapter: _____

Word	Definition in my own words	Example or Picture
extinction	the death of every member of a species	
Potassium - Argon Method	Method of dating rocks older than 100,000 yrs. 2.1.3 bil yrs.	<p>K → Ar 2.13 bil</p>
Uranium - Lead Method	Method of dating rocks older 10 million years 2.4.5 bil years	<p>U → Pb 2.45 bil</p>
Rubidium - Strontium Method	Method of dating rocks older 10 mil. 2.49 bil years	<p>Rb → St 2.49 bil</p>
Carbon-14 Method	Method of dating LIVING THINGS WITHIN last 50,000 years	<p>C14 → C12 50,000 years</p>

Vocabulary

Name: _____

Chapter: _____

Word	Definition in my own words	Example or Picture
geologic time scale	<hr/> <hr/> <hr/> <hr/>	
eon	Longest unit of time <hr/> <hr/> <hr/>	Mrs. D'Eon 
era	Second longest unit of time <hr/> <hr/> <hr/>	
period	third longest unit of time <hr/> <hr/> <hr/>	
epoch	shortest unit of time <hr/> <hr/> <hr/>	

Handwritten notes on the left margin, including the word "LAD" and other illegible scribbles.

Handwritten text on the first line of the page.

Handwritten text on the second line of the page.

Handwritten text on the third line of the page.

Handwritten text on the fourth line of the page.

Handwritten text on the fifth line of the page.

Handwritten text on the sixth line of the page.

Handwritten text on the seventh line of the page.

Handwritten text on the eighth line of the page.

Handwritten text on the ninth line of the page.

Handwritten text on the tenth line of the page.

Handwritten text on the eleventh line of the page.

Handwritten text on the twelfth line of the page.

Handwritten text on the thirteenth line of the page.

Handwritten text on the fourteenth line of the page.

Handwritten text on the fifteenth line of the page.

Handwritten text on the sixteenth line of the page.

Handwritten text on the seventeenth line of the page.

Handwritten text on the eighteenth line of the page.

Handwritten text on the nineteenth line of the page.

Handwritten text on the twentieth line of the page.

Handwritten text on the twenty-first line of the page.

Handwritten text on the twenty-second line of the page.