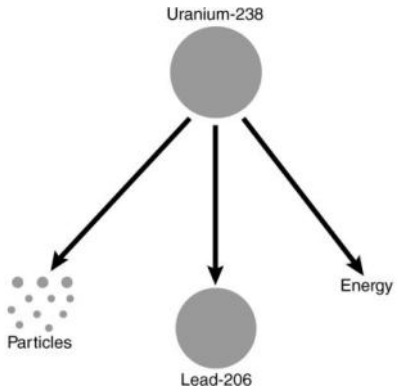
Name: _____ Pd: _____

ABSOLUTE DATING SCIENCE STARTERS

1/16-1/19/2024

ALL UNIT SCIENCE STARTERS MUST BE TURNED IN BY THE UNIT TEST TO RECEIVE CREDIT

Points:	Question:	Answer:
Monday 2/2	MARTIN LUTHER KING JR. DAY	
Tuesday /2	Earthquakes and volcanic eruptions are common on the western edge of the Pacific Ocean. Which theory does this pattern of geological phenomena support? A. Weathering B. The rock cycle C. Plate tectonics D. Biological evolution	
Wednesday /2	*The diagram to the right shows how one isotope of uranium decays.* When a rock formed, it contained the parent isotope, uranium-238, but it did not contain the daughter isotope. Which claim describes how this rock would change over time? A. The amount of uranium-238 would increase, and the amount of lead-206 would decrease. B. The amount of uranium-238 would decrease, and the amount of lead-206 would increase. C. The amount of uranium-238 would stay the same, and the amount of lead-206 would increase. D. The amount of uranium-238 would decrease, and the amount of lead-206 would stay the same.	

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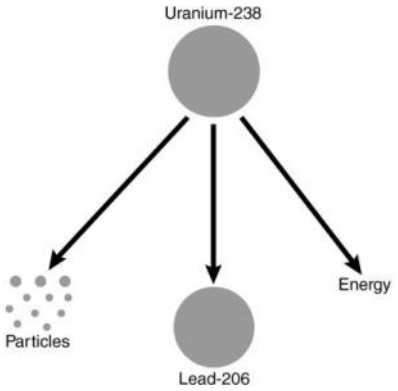
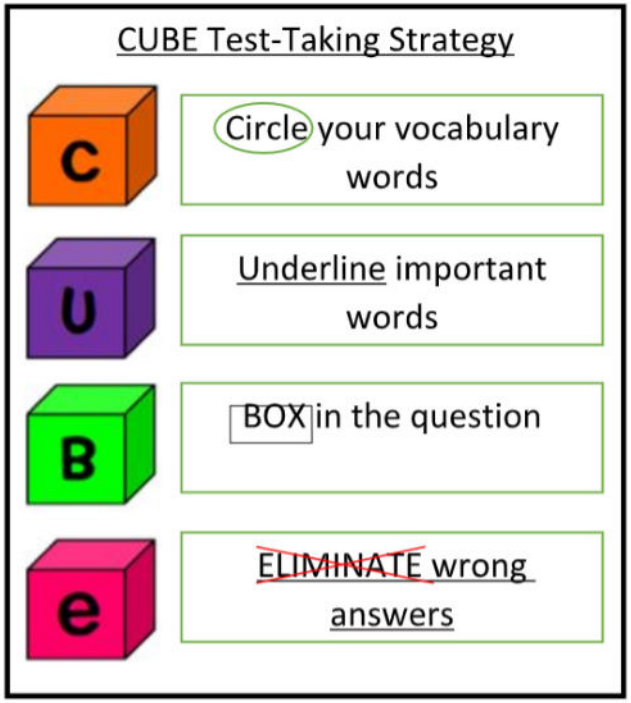
Wednesday /2	*The diagram to the right shows how one isotope of uranium decays.*  When a rock formed, it contained the parent isotope, uranium-238, but it did not contain the daughter isotope. Which claim describes how this rock would change over time? E. The amount of uranium-238 would increase, and the amount of lead-206 would decrease. F. The amount of uranium-238 would decrease, and the amount of lead-206 would increase. G. The amount of uranium-238 would stay the same, and the amount of lead-206 would increase. H. The amount of uranium-238 would decrease, and the amount of lead-206 would stay the same.
Thursday /2	Andrew wants to determine a more accurate age of a shell that is known to be between 10,000 and 30,000 years old. Which method would be most useful for finding a more precise age of the shell? A. Radioactive dating B. Examination of folding and faulting C. Geologic column identification D. Relative dating
Friday /2	What is the measure of time needed for half of a sample of a radioactive isotope to break down into daughter isotopes? A. Radioactive decay B. Half-life C. Fossil record D. Relative dating



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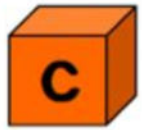
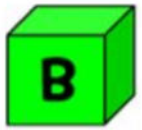
CUBE Test-Taking Strategy

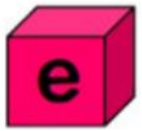


Circle your vocabulary words

Underline important words



BOX in the question



~~ELIMINATE~~ wrong answers