

Name _____
 D. Mathis
 Adv Earth-Space Science period _____
 Date _____

Due Date for Module _____
 Rock and Roll _____
 Layered Learning Module

In Class Lecture, Lab or Quiz that All Students Must Complete on the Designated Day

Monday:	Mini quiz over rock cycle information	Monday:	
Tuesday:	Sedimentary Rock In-class notes	Tuesday:	ROCK ON Quiz
Wednesday:		Wednesday:	
Thursday:	ROCK HEAD LAB	Thursday:	
Friday:		Friday:	DUE DATE FOR ALL COMPLETED ASSIGNMENTS



C-Layer Activities: Student must INDEPENDENTLY complete 10 of the 15 assignments of this layer before moving on to Layer B. This layer gives you the knowledge base to do the things in Layers B and A. You do not have to do everything in the order listed. Bookwork can be completed at home. (Some assignments must be completed with the rest of the class and are noted by the date of completion.)

Date completed	Points Verified by Teacher	Point value	Description
			Some activities will require worksheets or other supplies. You can find all necessary items in the supply area. Obtain only those things necessary for the work you have intended to complete for that day.
		5pts	Create Cornell notes in your ISN for information on the Rock Cycle- pages 385 to 388. This should be completed at home
		10pts	Complete Mini quiz of the Rock cycle information. You may NOT use your notes - This will be completed as a class
		5pts	Create your own Cornell notes in your ISN for the information on Sedimentary Rock as it comes from the PowerPoint presentation in class .
		5 pts	Create a Rock Cycle diagram that shows the processes necessary for the various rock types to change to other rock types
		5 pts	Create your own Cornell notes for fossil information found in sections 15.7 to 15.11 (pages 391 - 398) This should be completed at home
		5pts	Create Cornell notes in your ISN for the information on Igneous Rock - pages 402 to 406 This should be completed at home
		10pts	Using your notes - Complete the checkpoint worksheet for Igneous Rock 15C
		5pts	Create Cornell notes in your ISN for the information on Metamorphic Rocks pages 406 to 409. This should be created at home.
		5pts	Complete WS Classification of Rocks SA203 - 204
		5pts	Complete WS Characteristics of Rocks SA205-206
		5pts	Create flash cards for all terms of geology listed on the vocabulary worksheet. Obtain instruction sheet and cards from supply area. Follow the instructions for making your flashcard
		10 pts	Complete WHAT DID YOU LEARN questions: 1,2, 3, 5, 6, 9, 10, 12, TRUE FALSE - please explain your answer by documenting to which part of the chapter it refers 13-25
		25pts	Quiz - ROCK ON! (Completed as a class)
		30 pts	Conversational Science Moment (CSM)- must have a conversation with Ms Mathis. The conversation can be about anything in the chapter (You must sign up to have a CSM. Sign up sheet is on Ms. Mathis' desk)

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B - Layer: You must complete 45 points of this layer before you can move on to Layer A. This layer allows you to apply the information you learned in layer C.

Date completed	Teacher-Verified Points	Point value	Description
		15pts	ROCK HEAD ROCK CYCLE WILL BE COMPLETED AS A CLASS
		10pts	Complete the THINKING Sheet for Chapter 15 MUST BE COMPLETED IN CLASS – You will get this from Ms Mathis
		10pts	Evaluate rock samples according to the evaluation sheet given
		10pts	Complete the investigation: Fallacies of Geologic Time Scale SA209-211
		10pts	<u>Design a project plan</u> that would show sedimentary material going through a metamorphic process. The materials you are allowed to use are crayons, tinfoil, heat source, tongs, pot holder, plastic knife. It MUST follow the scientific method
		10pts	Complete your experimentation using your own methods (prerequisite: completed and approved project plan.)
		20pts	Design a children's story about any two particular rocks (be sure to make sure your information is accurate) who are friends. Your story must show the rocks going through all processes of the rock cycle and explain how the type of rock (and its name) is changed as it is changed. Story must have 10 pages (including the cover and title pages) and it must be illustrated

A-Layer: You must choose one of the following. Research information at home and complete the written part of the assignment in class with the use of your gathered information. All MLA formatting rules apply. Read rubric for evaluation process. Logistics will be posted on Ms. Mathis' website on the 12th.



Date completed	Points Verified by Teacher	Point value	Description
		30pts	Mining the Earth Research project
		40pts	Planetary/Lunar Rock Cycle Research project
		40pts	Defending your belief CSM with Ms Mathis

What's My Grade?	Points earned	Module Grade	Test grade equivalent
Here is how you can determine the overall module grade. This grade will be documented as a test score.	80 points earned	C-	71%
	100 points earned	C	76%
	115 points earned	C+	79%
	125 points earned	B-	81%
	145 points earned	B	86%
	160 points earned	B+	89%
	180 points earned	A-	93%
	200 points earned	A	96%
	215 points earned	A+	100%