



Subject: Earth Science

Grade Level: Middle/High School

DI Strategy: Scaffolding

Earth Science Assessment Scaffolding Lesson

The attached documents are from an assessment which students worked on. It was something our department decided to administer instead of assessing the students with a paper and pencil exam. We felt the students would like a change and wanted a different type of assessment. Some of the scaffolds incorporated into this assessment were: a graphic organizer, technology, rubrics, and chosen questions.

During this assessment, students were given eight essential questions from the chapters we had just studied, and they were required to choose five of them to answer. To scaffold this, several of my students had difficulty deciding on the questions to choose from, so they held a brief meeting with me to discuss the questions and narrow down the choices. For other students who had needed more support during this unit, I narrowed the list to choose from. For a few students, I chose the "easier" questions for students to complete.

The graphic organizer and rubric were provided for all students to help organize their assessment and understand how they were being assessed. However, for some students the graphic organizer was optional and for others the graphic organizer was mandatory. The students who needed to complete the graphic organizers needed to have the graphic organizer approved and checked by my co-teacher or me. The students then needed to make proper corrections before completing their final assessment. Finally, the students also had the option of either providing a Power Point presentation for the assessment or writing and drawing their assessment.



Name: _____ Date: _____ Period: ____ Points: ____ / 35

**Weathering, Erosion, Surface Water & Groundwater Open Note Assessment
Essential Questions Slideshow**

Directions: Choose 5 of the 8 essential questions from this unit and create a slide for each question.

Steps:

1. Write the question at the top of the slide.
2. Create/draw a diagram to support your answer
3. Answer each question in writing. Focus on key concepts and fully answer each question.

Points: 7 points per slide = 35 total points (1 pt. = question, 3 points = diagram, 3 points = answer)

**If we cannot read your answer, you will not get credit. Please be neat!

ESSENTIAL QUESTIONS: (CHOOSE 5)

1. What is the difference between weathering and erosion?
2. What is the difference between mechanical and chemical weathering?
3. What agents are responsible for erosion?
4. What are the types of mass movements and the factors that affect them?
5. What types of bodies of water constitute surface water?
6. What is the hydrologic cycle and how does it work?
7. What is groundwater and how does it fit into the hydrologic cycle?
8. What causes water pollution?

(For each question, graphic organizers to help structure their thinking followed this page.)



Graphic Organizer for Planning

Question	Notes	Sketch
1		
2		
3		
4		
5		



QUESTION: _____

DIAGRAM

ANSWER: _____



QUESTION: _____

DIAGRAM

ANSWER: _____



QUESTION: _____

DIAGRAM

ANSWER: _____



QUESTION: _____

DIAGRAM

ANSWER: _____



QUESTION: _____

DIAGRAM

ANSWER: _____



Weathering, Erosion, Streams, Groundwater
Assessment

Question: 1 point EACH

		Slide 1	Slide 2	Slide 3	Slide 4	Slide 5
1 point	Question is present					
0 points	Question is not present					

Diagram: 3 points EACH

		Slide 1	Slide 2	Slide 3	Slide 4	Slide 5
3 points	Includes a diagram that illustrates a main idea concept related to the essential question.					
2 points	Includes a diagram, but may stray from the main idea/essential question.					
1 point	Some diagram is included, but it may not be complete, or may not be clear how it relates to the question asked.					
0 points	No diagram, or diagram does not match the question asked.					

Written Answer: 3 points EACH

		Slide 1	Slide 2	Slide 3	Slide 4	Slide 5
3 points	Gives a correct and complete answer to the essential question.					
2 points	Gives a mostly correct answer, perhaps not complete.					
1 point	Gives a partially correct answer, or answer has much missing.					
0 points	No Written Answer, or Does not answer the question asked.					

Total Points: _____ /35 Points TOTAL



Teaching Learning Succeeding