## Exam 2

Due Oct 16 at 10pm	Points 100	Questions 50	Available Oct 16 at 8am - Oct 16 at 10pm 14 hours
Time Limit 60 Minutes			

## **Instructions**

- 50 questions, 60 minutes
- 1 attempt
- Timer will continue to run if you leave the exam

This quiz was locked Oct 16 at 10pm.

## **Attempt History**

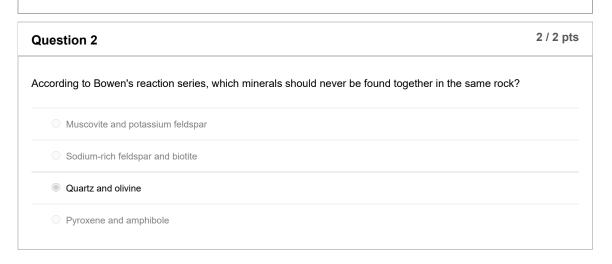
	Attempt	Time	Score
LATEST	Attempt 1	58 minutes	90.83 out of 100

① Correct answers are hidden.

Score for this quiz: **90.83** out of 100 Submitted Oct 16 at 3:43pm This attempt took 58 minutes.

## 2 / 2 pts **Question 1** Which igneous feature is circled in this photo? Dike Sill Banding

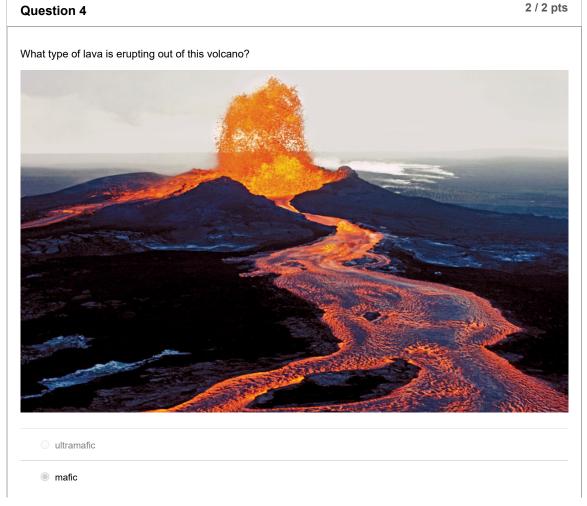
Layering



Question 3

A [Answer1] is a mixture of water and pyroclastic material that moves downslope. (Fill in the blank)

Lahar

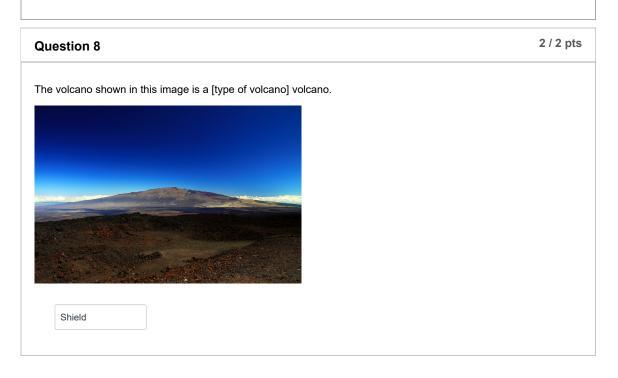


intermediate	
○ felsic	
Question 5	1.5 /
Which of the following are common characteristics of high viscosity magm	na? (select all that apply)
Low silica content	
☐ Intermediate or felsic in composition	
Gases become trapped	
Gases easily escape	
Lead to passive eruptions	
Lead to violent eruptions	
☑ High silica content	
Mafic in composition	



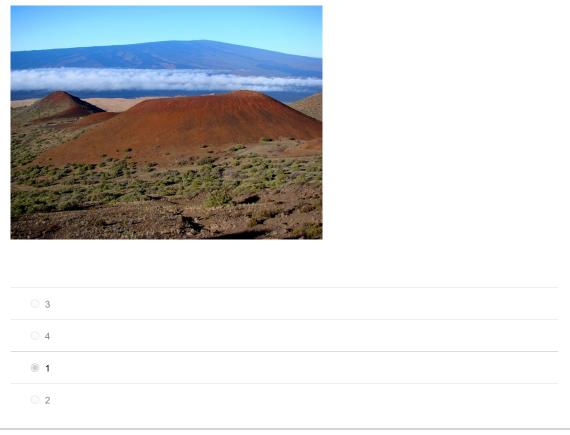


Shield



# Partial Question 9 Select all of the following that are true about Mauna Loa. It's a composite volcano It's a shield volcano It erupts explosively It is not near a tectonic plate boundary It formed from a hot spot

How many different types of volcanoes are shown in this photo?



Question 11	2 / 2 pts
What hazard killed 22,000 people in a Colombian village during the 1985 eruption of Nevado del Ruiz?	
Lahar	
○ Earthquake	
○ Ash fall	
O Pyroclastic flow	
○ Lava flow	

Question 12	2 / 2 pts
Which type of volcano did the lava flow in this image most likely erupt from?	



Cinder cone
Shield volcano
Composite volcano

What is the most abundant gas released by mafic magma?

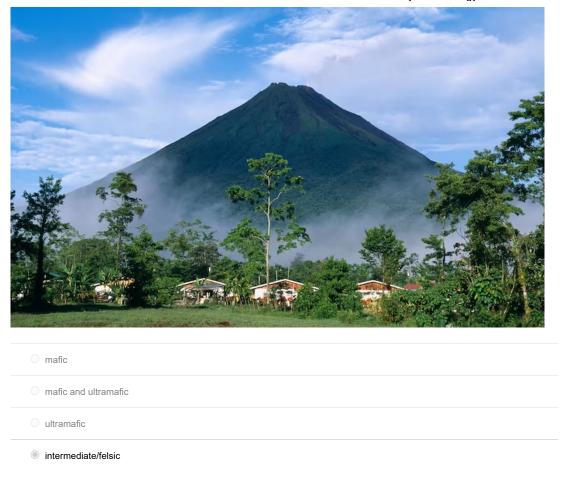
Carbon dioxide
Sulfur dioxide
Nitrogen
Argon

Water vapor

Question 14

2 / 2 pts

What type of lava would you expect to erupt out of this volcano?

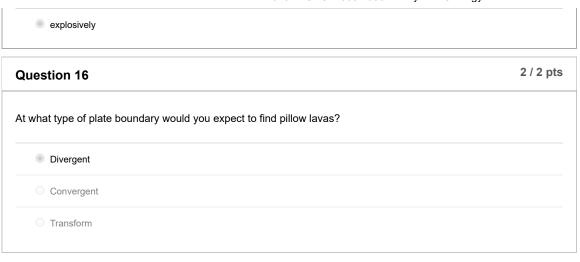


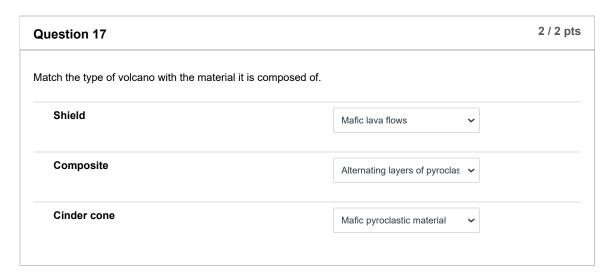
## Question 15 2 / 2 pts

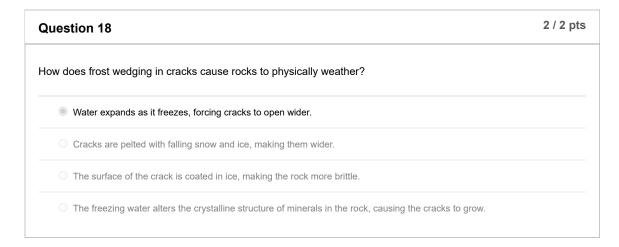
Would this volcano erupt passively or explosively?



- O both passive and explosive
- passively



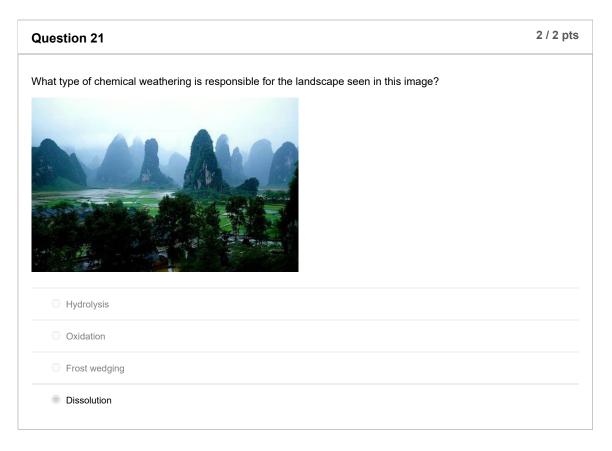


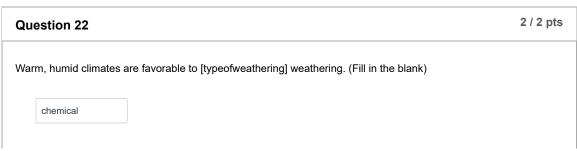


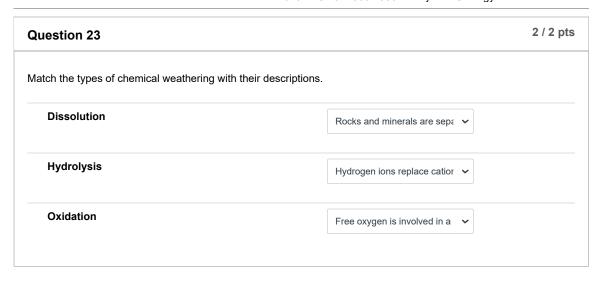


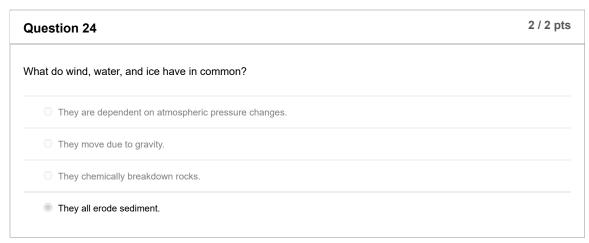
It's a polar molecule.
It's less dense than most other substances.
It's very abundant.
It's liquid at room temperature.

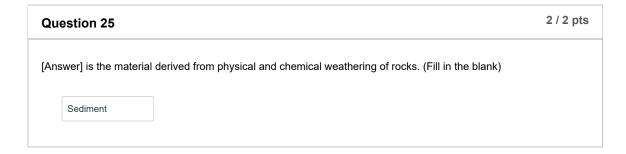
## Question 20 How do clay minerals form? Oxidation of iron-bearing minerals Hydration of minerals in rocks Dissolution of calcite Hydrolysis of silicate minerals











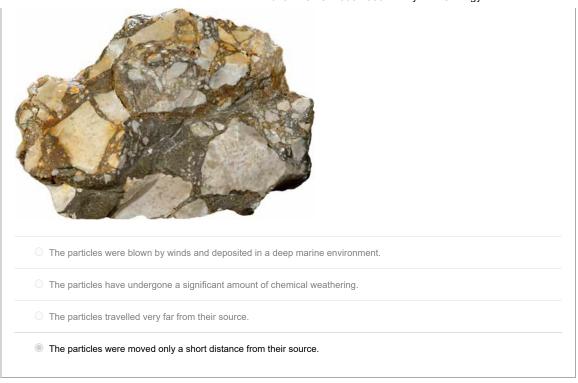


Question 27	2 / 2 pts
What is the most important factor controlling soil formation?	
Climate	
Plants and animals	
<ul><li>Topography</li></ul>	
O Parent material	
○ Time	
Question 29	2 / 2 nts

Question 28	2 / 2 pts
What is the main difference between a conglomerate and a breccia?	
All of the above	
The shape of the clasts	
The sorting of the clasts	
The size of the clasts	
○ The kind of cement	

Question 29	2 / 2 pts
If a rock is poorly sorted, this means the rock contains	
o some angular and some rounded clasts	
a wide range of clast sizes	
mostly sand	
a great variety of rock types	
osome parts that are reddish and others that are not	

Question 30	2 / 2 pts
Which best describes the transport history of the sediment that makes up this rock in the image?	



Incorrect

Question 31	0 / 2 pts
The two main processes that create sediment are	
erosion and deposition	
<ul> <li>subduction and melting</li> </ul>	
<ul> <li>transportation and deposition</li> </ul>	
physical and chemical weathering	

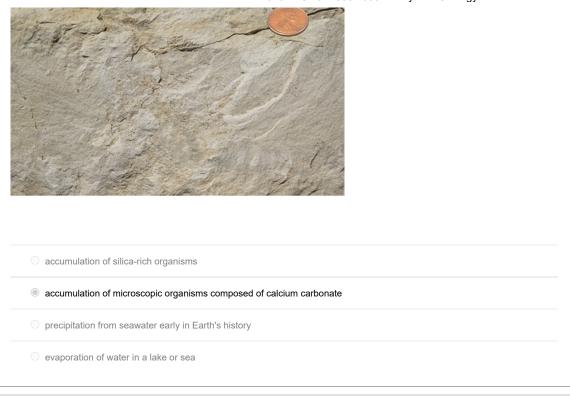
Question 32	2 / 2 pts
At an outcrop you find a clastic sedimentary rock that is smooth to the touch. What is the name of the rock	ck?
○ Limestone	
○ Coal	
○ Conglomerate	
○ Sandstone	
Shale	

Question 33 2 / 2 pts

W	hich clastic sedimentary rock is deposited in low energy environments?
	○ Sandstone
	O Conglomerate
	O Breccia
	Shale

Question 34	2 / 2 pts
The rock shown here has sediment that is just visible to the naked eye. It is a	
○ conglomerate	
○ shale	
sandstone	

Question 35	2 / 2 pts
This image shows chalk. How is it formed?	
du (	



You find an unknown sedimentary rock and want to identify what it. You've determined that it reacts with dilute hydrochloric acid. What sedimentary rock is it?

Chert

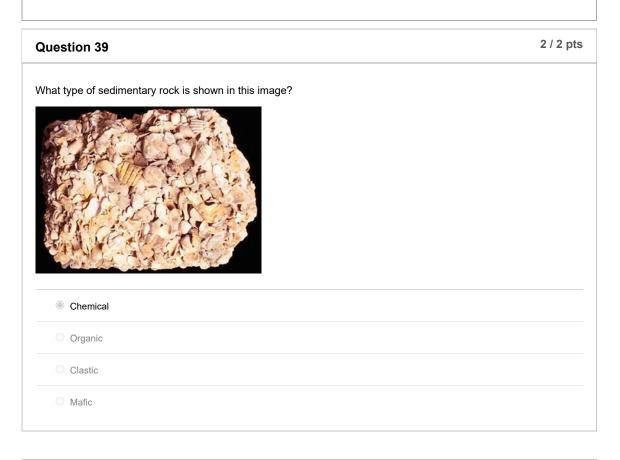
Shale
Sandstone
Coal

Question 37	2 / 2 pts
A sedimentary rock with rounded grains did not travel far from its source.	
disagree	
○ agree	

Question 38 2 / 2 pts

Sedimentary rocks composed of pieces of pre-existing rocks are called [Answer1] sedimentary rocks.

clastic



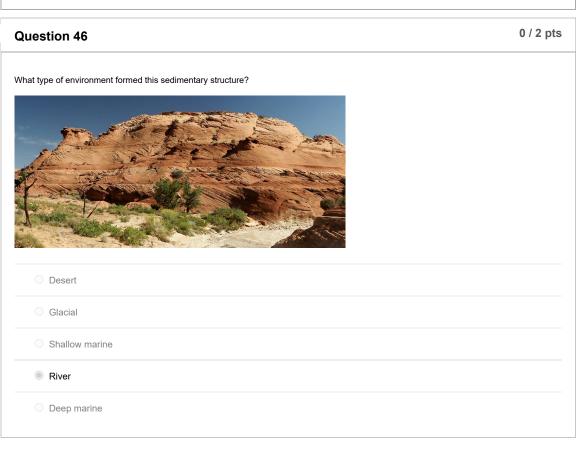
Question 40	2 / 2 pts
Most of Earth's land area is covered with	
sediment and sedimentary rocks	
metamorphic rocks	
○ igneous and metamorphic rocks	
igneous rocks	

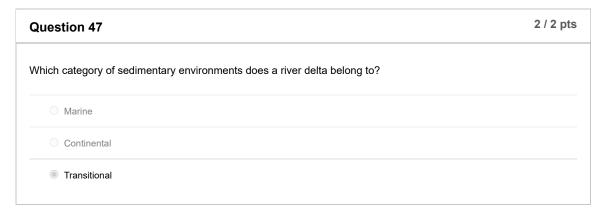
Question 41	2 / 2 pts
The process of lithification can be summarized as	
the transport of sediment to a site of deposition	
sediment settling from the water column	
loose sediment hardening into sedimentary rock	
O loose sediment breaking off of sedimentary rocks	

Question 42	2 / 2 pts
Which of the following processes is NOT involved in turning sediment into sedimentary rock?	
<ul> <li>Cementation</li> </ul>	
O Burial	
Metamorphism	
O Compaction	
Question 43	2 / 2 pts
What type of sedimentary rock would be indicative of a slow-moving river?	
O Coal	
○ Conglomerate	
○ Limestone	
Shale	
○ Sandstone	
Question 44	2 / 2 pts
Continental environments are oxygen-poor.	
O True	
False	
Question 45	2 / 2 pts
Limestone most commonly forms in a environment.	
warm, shallow, tropical-marine	
O glaical	
○ river	

O deep marine

Incorrect

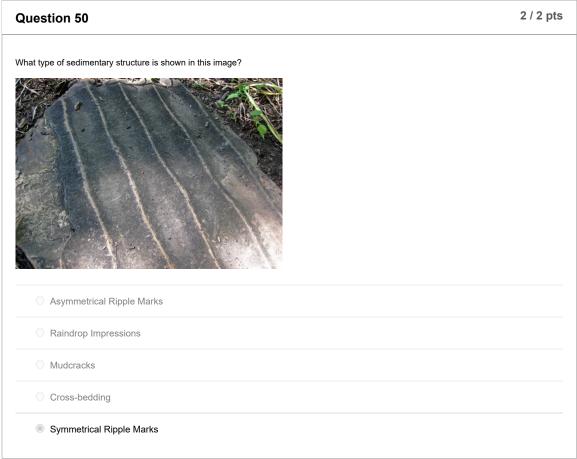




Question 48	2 / 2 pts
The particle size of sediment deposited in a given depositional environment will depend on	
the composition of the sediment	
the roundness of the sediment	
the energy of the environment	
the distance the sediment travels	

Incorrect

Question 49	0 / 2 pts
What is the direction of flow indicated by this sedimentary structure?	
Right	
◎ Left	
Bi-directional (two directions)	
○ Up	
O Down	
Question 50	2 / 2 pts



Quiz Score: 90.83 out of 100