

Assignment 8 - Relative Dating

Due Nov 29 at 11:59pm **Points** 100 **Questions** 4
Available until Nov 29 at 11:59pm **Time Limit** None

Instructions

You will work with several block diagrams, practicing the principles of relative dating. You'll be asked to place the events in the order in which they happened. Questions start easy (worth more points) and then get harder (worth less points).

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	258 minutes	100 out of 100

❗ Correct answers are hidden.

Score for this quiz: **100** out of 100

Submitted Nov 8 at 2:29pm

This attempt took 258 minutes.

Question 1

50 / 50 pts

Individual geological events and features on the diagrams are marked with capital letters, and some are followed by a subscript. The subscripts represent features such as a dike (D), fault (F), lava flow (L), sill, (S), and unconformity (U), all of which are useful for determining cross-cutting relationships.

Match the subscripts below to their meaning.

A_D

Dike



A_F

Fault

**A_L**

Lava Flow

**A_U**

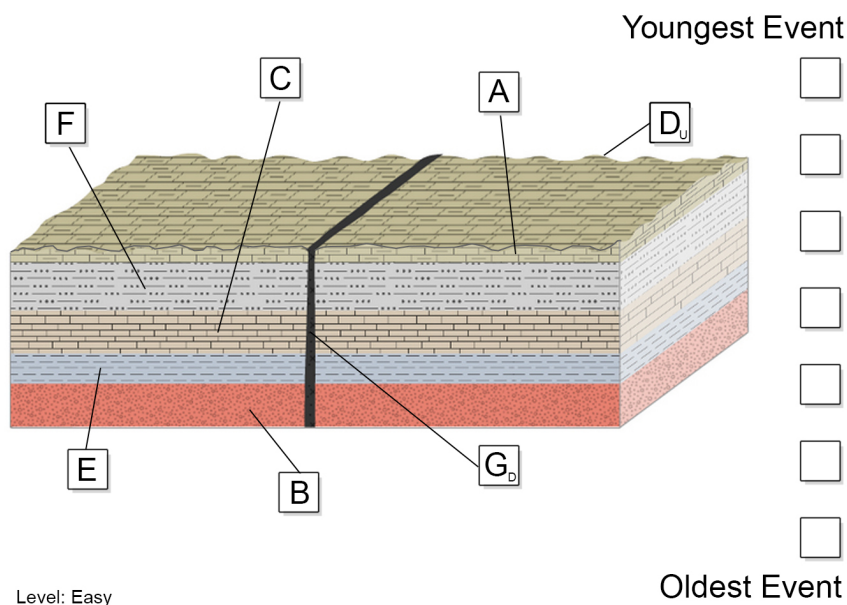
Unconformity

**A_S**

Sill

**Question 2****20 / 20 pts**

Place the following geologic events of this block diagram in order from oldest (1) to youngest (7).

**1**

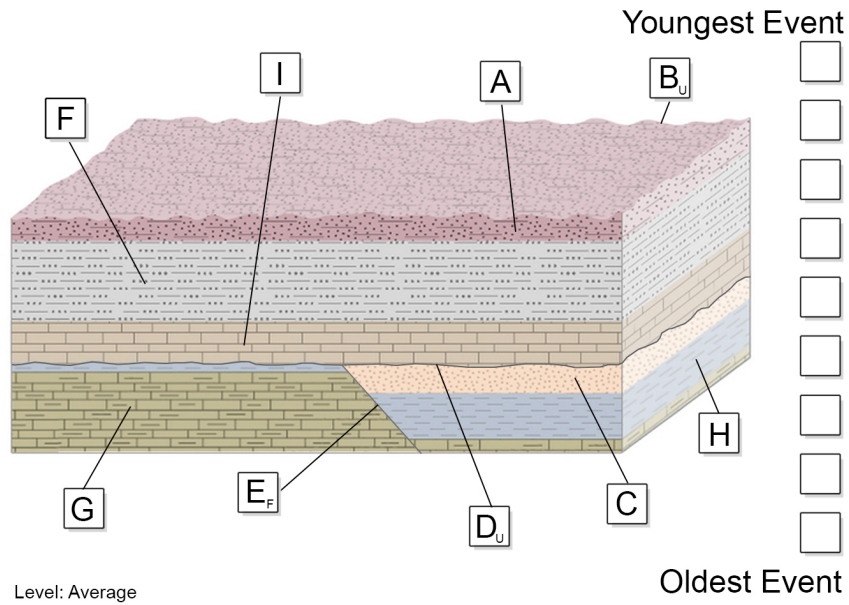
B



2	<input type="text" value="E"/>
3	<input type="text" value="C"/>
4	<input type="text" value="F"/>
5	<input type="text" value="A"/>
6	<input type="text" value="GD"/>
7	<input type="text" value="DU"/>

Question 3**20 / 20 pts**

Place the following geologic events of this block diagram in order from oldest (1) to youngest (9).



1

G



2

H



3

C



4

EF



5

DU



6

I



7

F



8

A



9

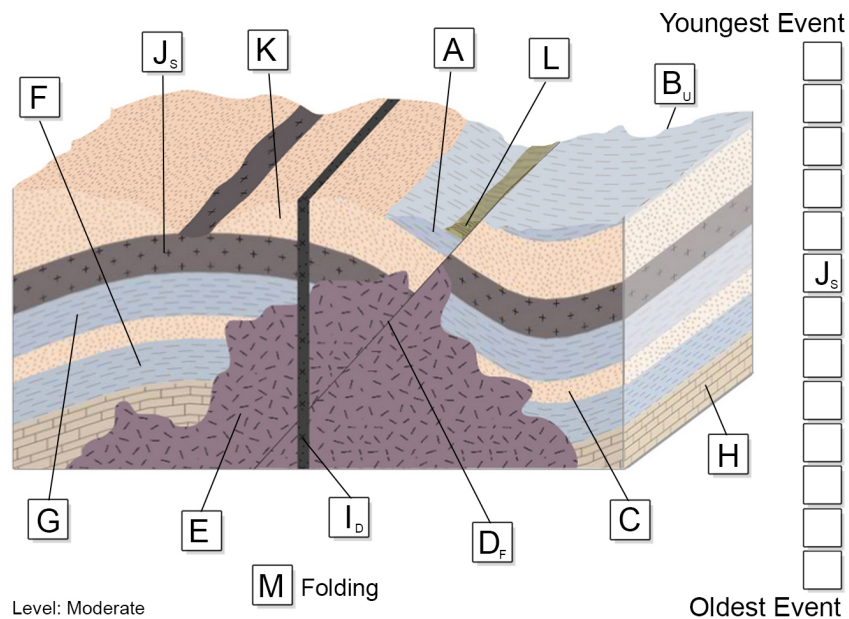
BU



Question 4

10 / 10 pts

Place the following geologic events of this block diagram in order from oldest (1) to youngest (13). HINT: J_s is given to you, it's an igneous sill that gets emplaced in between layers of sedimentary rock. HINT: start with the layers of sedimentary rock.



1

H



2

F



3

	<div>C</div>
4	<div>G</div>
5	<div>K</div>
6	<div>A</div>
7	<div>L</div>
8	<div>JS</div>
9	<div>M (folding)</div>
10	<div>E (intrusion)</div>
11	<div>DF</div>
12	<div>ID</div>
13	<div>BU</div>

Quiz Score: **100** out of 100