

GEOLOGY

10113

EXAMPLE 2 EXAM QUESTIONS

1

GLOBAL RELATIVE GEOLOGIC TIME IS BASED ON...

1. lithologic correlation
2. **biostratigraphic correlation**
3. Carbon-14
4. superposition
5. original horizontality

2

A CONTACT BETWEEN AN IGNEOUS ROCK AND A SEDIMENTARY ROCK IS..

1. an angular unconformity
2. a disconformity
3. **a nonconformity**
4. can't tell if you don't know the nature of the contact

3

IF A KILOGRAM OF URANIUM DECAYS INTO LEAD THROUGH TWO HALF-LIVES, HOW MUCH URANIUM WILL BE LEFT?

1. 1/2 kilo
2. 1/3 kilo
3. **1/4 kilo**
4. 1/6 kilo
5. 1/8 kilo

4

IN _____ CONSOLIDATED MATERIALS MOVE A SHORT DISTANCE ALONG A CURVED DETACHMENT SURFACE.

1. slides
2. earthflows
3. **slumps**
4. mudflows
5. creep

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MATERIAL THAT MOVES DOWNSLOPE ALONG A WELL-DEFINED SURFACE, SUCH AS A FAULT PLANE, AS A FAIRLY COHERENT MASS IS A...

1. fall
2. **slide**
3. flow
4. tumble
5. slump

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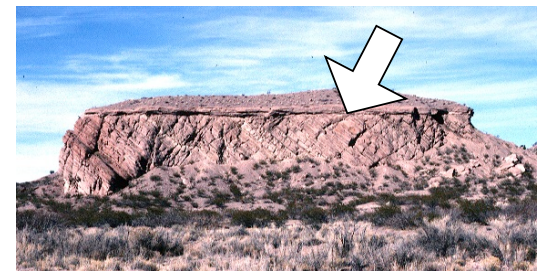
I WENT TO VISIT A 19TH CENTURY CEMETERY IN WISE COUNTY AND FOUND THAT MANY OF THE TOMBSTONES WERE TILTING TO THE WEST. THIS IS MORE LIKELY DUE TO...

1. **creep**
2. slump
3. landslides
4. gang members
5. earthflow

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THE ARROW POINTS TO A(N).....

1. nonconformity
2. disconformity
3. ancient stream
4. **angular unconformity**
5. mesa



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IF STREAM VELOCITY INCREASES THEN TURBULENCE.

1. **increases**
2. decreases
3. stays the same
4. can't tell

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_____ IS A MEASURE OF THE MAXIMUM TOTAL LOAD THAT A STREAM CAN CARRY...

1. velocity
2. discharge
3. competence
4. **capacity**
5. turbulence

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THE TOTAL DISCHARGE OF A STREAM ALONG IT'S ENTIRE LENGTH INCREASES DUE TO....

1. **tributaries**
2. distributaries
3. increasing velocity
4. increasing gradient
5. more meanders

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IN A MEANDERING STREAM EROSION MOSTLY OCCURS...

1. on the point bar
2. **on the cut bank**
3. in mid channel
4. just below the surface in mid stream
5. everywhere the same amount

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AS WATER DEPTH INCREASES, DISCHARGE...

1. **increases**
2. stays the same
3. decreases
4. can't tell

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AT THE MOUTH OF A STREAM COMING FROM MOUNTAINS IN A DESERT I WOULD EXPECT TO FIND..

1. a delta
2. a levee
3. **an alluvial fan**
4. limestone
5. mud flows

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THE ARROW POINTS TO A(N).....



1. cutbank
2. delta
3. **oxbow lake**
4. alluvial fan
5. point bar

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THE 'CONNECTEDNESS' OF PORES IN SEDIMENT OR ROCK IS..

1. **permeability**
2. porosity
3. volumetrics
4. effluence

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A LAKE THAT FORMS BETWEEN TWO MOUNTAIN RANGES IN THE NORTH AMERICAN BASIN AND RANGE PROVINCE IS A(N)....

1. bajada
2. alluvial
3. **playa**
4. inselberg

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IN A DESERT MOST EROSION IS DUE TO....

1. slump
2. mining
3. frost wedging
4. **running water**
5. wind

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DUNES CAN BE HUNDREDS OF MILES LONG AND FORM IN AREAS WITH LITTLE SAND AND WINDS THAT BLOW FROM TWO DIFFERENT DIRECTIONS DURING THE YEAR...

1. **longitudinal**
2. parabolic
3. transverse
4. barchan
5. star

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IN CAVES _____ FORMATIONS BUILD UP FROM THE CAVE FLOOR TOWARDS THE CEILING.

1. **stalagmites**
2. helectites
3. columns
4. stalactites

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WHEN TWO LATERAL MORAINES JOIN THEY BECOME
A _____ MORAINE.

1. integral
2. **medial**
3. collateral
4. terminal
5. ground

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THE TOP OF A GLACIATED MOUNTAIN IS A...

1. arete
2. paternoster
3. horst
4. pitcairn
5. **horn**

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ROCKS THAT ARE POLISHED AND FACETED BY THE
WIND ARE CALLED _____.

1. artifacts
2. pleurofacts
3. windofacts
4. **ventifacts**
5. windstones

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THE LENGTH OF A GLACIER WILL DECREASE WHEN..

1. **the zone of wastage exceeds the zone of accumulation.**
2. the zone of accumulation exceeds the zone of wastage.
3. accumulation and wastage are about the same
4. the glacier has many crevasses
5. can't tell

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