Global relative geologic time is based on...

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

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

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
In ______ consolidated materials move a short distance along a curved detachment surface.

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

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

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

The arrow points to a(n).....

1. nonconformity
2. disconformity
3. ancient stream
4. angular unconformity
5. mesa
If stream velocity increases then turbulence.

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

_____ is a measure of the maximum total load that a stream can carry...

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

The total discharge of a stream along its entire length increases due to....

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

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
As water depth increases, discharge...

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

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

The arrow points to a(n).....

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

The ‘connectedness’ of pores in sediment or rock is..

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

In a desert most erosion is due to....

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

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

In caves _______ formations build up from the cave floor towards the ceiling.

1. **stalagmites**
2. hellectites
3. columns
4. stalactites
When two lateral moraines join they become a _______ moraine.

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

The top of a glaciated mountain is a...

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

Rocks that are polished and faceted by the wind are called _______.

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

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