

**Earth Science 110: Introduction to Geology. Final Exam Review.**

**Topics:**

- Structures and mountains
- Appalachian Mountains
- Hydrologic cycle and streams
- Burd Run field trip
- Glaciers / Alaska glaciers

**Reading:**

Chapters 11, 13, 15

**Note: This is NOT intended to provide a comprehensive review.**

**The questions below are examples of the type of questions that you should expect on the exam.**

**True or false?**

\_\_\_\_\_ (1) The Appalachian mountains were formed by 3 distinct mountain-building periods that span the period from 600,000 to 250,000 years ago.

\_\_\_\_\_ (2) Braided streams are common in areas affected by active glaciation.

\_\_\_\_\_ (3) Meandering streams frequently change their course by eroding on the outside of bends and depositing on the inside of bends.

\_\_\_\_\_ (4) The farthest southern extent of glaciers in North America ended within just a few miles of the border between Canada and the United States.

\_\_\_\_\_ (5) When glaciers were at their maximum size during the Pleistocene Ice Age, so much water was stored in continental glaciers that sea level fell worldwide by over 100 meters.

**Multiple choice.**

\_\_\_\_\_ (6) The central Pennsylvania Ridge and Valley mountains were formed primarily by:

- (a) faulting
- (b) folding
- (c) volcanism
- (d) metamorphic change

\_\_\_\_\_ (7) The largest particle of sediment that a stream can transport is described by the:

- (a) competence
- (b) capacity
- (c) maximum load
- (d) maximum bar

- \_\_\_\_\_ (8) The most common size of stream bedload material is:
- (a) dissolved minerals
  - (b) silt and clay
  - (c) sand and silt
  - (d) gravel and sand
- \_\_\_\_\_ (9) The most common stream channel type in Pennsylvania is:
- (a) straight
  - (b) meandering
  - (c) braided
  - (d) anastamosing
- \_\_\_\_\_ (10) What body of salt water does Burd Run eventually contribute to?
- (a) Hudson Bay
  - (b) Delaware Bay
  - (c) Chesapeake Bay
  - (d) Potomac River
- \_\_\_\_\_ (11) The most recent ice age was
- (a) in the Cambrian
  - (b) in the Paleozoic
  - (c) in the Pleistocene
  - (d) 1200 years ago