Sequence of Events Lab Worksheet

For your Sequence of Events activity, we are going to look at four different sequences. You will identify the order of events using oldest-to-youngest (OTY) principle for each. (**Note**: some answers have already been provided for you!).

Cross Section 1:

1. Observe cross section 1 and list the sequence of events starting with the oldest at the bottom
   9. _____Erosion of Q and R_____
   8. _____
   7. _____
   6. _____
   5. _____Erosion of D_____
   4. _____
   3. _____
   2. _____
   1. _____Deposition of A_____

2. What type of unconformity is present at this geological cross section?

   _____

Cross Section 2:

Observe cross section 2 and list the sequence of events starting with the oldest at the bottom

12. _____
11. _____
10. _____

9. _____Erosion of U”_____

8. _____Intrusion of Granite_____

7. _____

6. _____

5. _____

4. _____

3. _____

2. _____Erosion of U’_____

1. _____

Block Diagram 1

List the sequence of events, starting with the oldest at the bottom

11. _____

10. _____Erosion of U’_____

9. _____

8. _____

7. _____Intrusion of Rhyolite (Rh)_____

6. _____Deposition of conglomerate (Cg)____

5. _____

4. _____

3. _____Erosion of U”_____

2. _____

1. _____

Cross Section 3

List the sequence of events, starting with the oldest at the bottom

11. _____

10. _____

9. _____Erosion of U'_____

8. _____Intrusion of A_____

7. _____

6. _____Folding of layers_____

5. _____

4. _____

3. _____

2. _____

1. _____