1. What is time? Time is __________________ or __________________.

2. Time is a __________________ period during which an an ____________, process, or condition exists or continues.

3. One way in which geologists look at time is __________________ dating.

4. __________________ Dating is the measure of a sequence of __________________ without knowing the exact date at which the events occurred.

5. The Principle of Superposition: the ______________ rocks are on the top, the ______________ rocks are on the bottom.

6. Question #1: Which rocks are younger ____________ and older? ____________

7. The Principle of Cross-Cutting: Any feature that cuts across another rock or structure is ______________ than what is cuts across. IMPORTANT: CUTS ARE ______________.

8. Question #2: What is younger, rocks or fault line? ______________

9. The Principle of Inclusions: Rock layers which contain other rocks are ______________ than the inclusion. IMPORTANT: INCLUSIONS ARE ______________.

10. Question #3: Which is older, the rock layer of the rocks included in the rock layer? ______________

11. The Principle of Unconformities: Unconformities are surfaces that represent ___________ in the geologic record. If there is missing ____________, there is missing ___________. IMPORTANT: You can find an unconformity by looking for wavy ____________ or missing ____________.

12. Question #4: Where’s the missing segment? ______________________________
    How do you know? _______________________________________________________

13. Question #5: Where’s the missing segment? ______________________________
    How do you know? _______________________________________________________
PRACTICE:

14. Question #6: What happened first?____________________________________
   How do you know? _____________________________________________________

15. Question #7: Were is the youngest rock?_________________________________
   How do you know? _____________________________________________________

16. Question #8: Where is the unconformity?________________________________
   How do you know? _____________________________________________________

17. Question #9: What rock layer is the oldest?_______________________________
   How do you know? _____________________________________________________

18. Question #10: Which is younger?________________________________________
   How do you know? _____________________________________________________

19. Question #11: Does the diagram shown an unconformity?__________________
   How do you know? _____________________________________________________

20. Question #12: Which is younger?________________________________________
   How do you know? _____________________________________________________

BONUS: What do you see? _________________________________________________

_________________________________________________________________
_________________________________________________________________

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