**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Geology Spring Final Review #1**

**Earth Science (30 Questions)**

1. **What is the major component of the atmosphere?**
2. **How are layers of the atmosphere classified?**
3. **Name the layers of the atmosphere from the closest to the surface to farthest away.**
4. **Which layer is the coldest? Hottest?**
5. **Which layer is the thickest? Thinnest?**
6. **Which layer contains the ozone?**
7. **Is the ionosphere bigger in the day or night?**
8. **What is the significance of the tropopause?**
9. **What is the significance of the exosphere?**
10. **What ultimately drives all the weather on the earth?**
11. **What are the three things that can happen to solar radiation?**
12. **The major source of pollution of primary pollutants comes from:**
13. **What is the difference between sublimation, condensation, and evaporation?**
14. **What is the difference between humidity and relative humidity?**
15. **What is the difference between unsaturated and saturated air?**
16. **Describe the 3 main cloud types: cirrus, stratus, cumulus.**
17. **What is the word included in all rainy clouds?**
18. **The clouds responsible for most severe storms are what kind of clouds?**
19. **What is the difference between orographic lifting and frontal wedging?**
20. **What is air pressure? Is it higher at sea level or at the top of the mountain?**
21. **What is the difference between a cyclone and an anticyclone?**
22. **What is the difference between a psychrometer, anemometer, and barometer?**
23. **What is an isotherm?**
24. **What is an isobar?**
25. **What is the difference between widely spaced and closely spaced isobars?**
26. **What kind of pressure systems creates bad weather?**
27. **What is the Coriolis effect?**
28. **What is El Nino?**
29. **What is La Nina?**
30. **What forms when two air masses meet?**
31. **What is an air mass?**
32. **What is the difference between a maritime polar air mass and a maritime tropical air mass?**
33. **What is the difference between a warm and cold front?**
34. **What is the difference between a stationary and occluded front?**
35. **How do thunderstorms form?**
36. **How do hurricanes form?**
37. **What scale measures tornadoes?**
38. **What scale measures hurricanes?**
39. **What is the difference between a watch and a warning?**
40. **What is the worst rating for a tornado?**
41. **What is the worst rating for a hurricane?**
42. **What is the difference between weather and climate?**
43. **What is the difference between global warming and greenhouse effect?**
44. **How does latitude affect climate?**
45. **How does elevation affect climate?**