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

**Geology-Chapter 18 Questions**

1. **What gas makes all the precipitation in our atmosphere?**
2. **Draw a diagram to show how a water goes through solid, liquid, and gas phases. You should include melting, freezing, evaporation, condensation, sublimation, and deposition.**
3. **What is the difference between humidity and relative humidity?**
4. **What does it mean when air is saturated?**
5. **When saturated which holds more water vapor: cold or warm air?**
6. **What is the dew point?**
7. **How does a psychrometer work?**
8. **Does air expand or compressed when cooled?**
9. **What is the difference between dry adiabatic and wet adiabatic rate?**
10. **What is orographic lifting?**
11. **What is frontal wedging?**
12. **What is convergence?**
13. **What is localized convective lifting?**
14. **What is an environmental lapse rate?**
15. **What must happen for condensation to occur?**
16. **What is a condensation nuclei?**
17. **What is the difference between cirrus, cumulus, and stratus clouds?**
18. **Name and describe which clouds are high clouds?**
19. **Name and describe which clouds are middle clouds?**
20. **Name and describe which clouds are low clouds?**
21. **True or False: all clouds fit into one category.**
22. **What is fog?**
23. **How can fog form by cooling?**
24. **How can fog form by evaporation?**
25. **How much must cloud droplets grow by in volume to form precipitation?**
26. **What is the Bergeron Process?**
27. **What is supercooled water?**
28. **What is supersaturated air?**
29. **What is the collision-coalescence process?**
30. **Hail comes from what kinds of clouds?**