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

**Geology-Chapter 19 Questions**

1. **What is air pressure and which way is it exerted?**
2. **What is a barometer and how does it work?**
3. **Why does wind occur?**
4. **What are two ways that pressure differences can be created?**
5. **What three factors control wind?**
6. **What is a pressure gradient?**
7. **What is an isobar?**
8. **What do widely spaced isobars mean? Closely spaced?**
9. **What is the Coriolis Effect?**
10. **How does friction affect air movement?**
11. **What is a jet stream?**
12. **What is the difference between a cyclone and an anticyclone?**
13. **How does pressure change from the outside to the center of a cyclone?**
14. **How does pressure change from the outside to the center of an anticyclone?**
15. **How does friction affect air flow in cyclones and anticyclones?**
16. **What kind of weather will be produced with rising air? Sinking air?**
17. **What kind of pressure systems created bad weather?**
18. **What would happen if earth didn’t rotate in terms of cool air and warm air?**
19. **What are trade winds?**
20. **What are westerlies?**
21. **What are polar easterlies?**
22. **What is a polar front?**
23. **Where is the only continous pressure belt found? Why is it only found here?**
24. **What is a monsoon?**
25. **How do land and sea breezes affect weather during the summer in coastal areas?**
26. **How do mountains affect breezes?**
27. **What is meant by the term prevailing wind?**
28. **What is an anemometer?**
29. **What is El Niño and how often does it occur?**
30. **What is La Niña?**