

Chapter 16-17 Review

1. What is weather?
2. Name three ways Earth's atmosphere is important to living things.
3. What are the two most abundant gases in the atmosphere?
4. What percent of air is made up of all other gases?
5. What is water vapor?
6. What is photochemical smog? How does it form?
7. Why does air have pressure?
8. What is the formula for density?
9. What is air pressure?
10. What instrument is used to measure air pressure?
11. What are the two types of barometers? Describe each.
12. What are the two units used to measure air pressure?
13. What is used to classify the atmosphere into layers?
14. What are the four main layers of the atmosphere?
15. Which layer is made up of two smaller layers? What are they?
16. In which layer does weather occur?
17. Which layer contains the ozone layer?
18. Which type of electromagnetic wave is responsible for heating the earth?
19. What type of radiation has wavelengths that are shorter than visible light?

20. What type of radiation has wavelengths that are longer than visible light?
21. What is the greenhouse effect?
22. What are the Celsius and Fahrenheit temperatures for the freezing and boiling points of pure water?
23. What are the three ways that heat is transferred? Describe each.
24. What causes wind?
25. What instrument is used to measure wind speed?
26. What are local winds?
27. What are global winds?
28. What is the difference between a land breeze and a sea breeze? What causes each?
29. What is relative humidity?
30. What instrument is used to measure relative humidity?
31. How do clouds form?
32. What are the three main types of clouds? Describe each.

33. What is precipitation?
34. What is the most common form of precipitation?
35. What are the four other common types of precipitation? Describe each.
36. What is the instrument used to measure precipitation?