[**http://www.bom.gov.au/lam/weathed.shtml**](http://www.bom.gov.au/lam/weathed.shtml) **1. What is the difference between climate and weather?**

**2. In which layer of the atmosphere does weather occur?**

**3. What causes weather?**

[**http://ga.water.usgs.gov/edu/watercycle.html**](http://ga.water.usgs.gov/edu/watercycle.html) **4. What is another name for the water cycle?**

**5. What percent of Earth's water is found in the oceans?**

[**http://www.fi.edu/weather/events/fog.html**](http://geography.about.com/od/waterandice/a/fog-overview.htm) **6. How does fog form?**

**7. Where does fog form?**

[**http://ww2010.atmos.uiuc.edu/%28Gh%29/wwhlpr/fair\_cumulus.rxml?hret=/guides/mtr/cld/dvlp/cnvct.rxml**](http://ww2010.atmos.uiuc.edu/%28Gh%29/wwhlpr/fair_cumulus.rxml?hret=/guides/mtr/cld/dvlp/cnvct.rxml) **8. About how long does a cumulus cloud last?**

**9. What kind of weather is signaled by cumulus clouds?**

[**http://www.bom.gov.au/info/clouds/**](http://www.bom.gov.au/info/clouds/) **10. What are the ten main cloud types?**

[**http://www.weatherwizkids.com/weather-wind.htm**](http://www.weatherwizkids.com/weather-wind.htm) **11. What is a good definition for wind?**

**12. What causes the wind to blow?**

**13. Describe a windstorm.**

**14. What is a downburst?**

**15. What is the jet stream?**

**16. What are the doldrums?**

**17. Which winds are responsible for the movement of weather patterns across the United States?**

**18. Explain the difference between a sea breeze and a land breeze.**

**19. How do windmills work?**

**20. What does the Beaufort Scale measure?**

[**http://ww2010.atmos.uiuc.edu/%28Gh%29/guides/mtr/af/arms/home.rxml**](http://ww2010.atmos.uiuc.edu/%28Gh%29/guides/mtr/af/arms/home.rxml) **21. What is an air mass?**

[**http://www.weatherwizkids.com/weather-climate.htm**](http://www.weatherwizkids.com/weather-climate.htm) **22. How do mountains affect weather and climate?**

**23. What is global warming?**

**24. Describe the greenhouse effect.**

[**http://www.usatoday.com/weather/resources/2006-04-03-tornado-basics\_x.htm**](http://www.usatoday.com/weather/resources/2006-04-03-tornado-basics_x.htm) **25. How fast do tornado winds blow?**

**26. What three conditions are required for thunderstorms to form?**

**27. Name 5 states found in Tornado Alley.**

[**http://www.wildwildweather.com/humidity.htm**](http://www.wildwildweather.com/humidity.htm) **28. What is humidity?**

**29. Which can hold more water vapor: warm air or cold air?**

**30. What is relative humidity?**