

Weather Questions for Flash Cards

by Tamra Monroe

1. What is the greenhouse effect? **The earth's atmosphere acts like a blanket trapping in the sun's heat.**
2. Name the seven colors of the rainbow in the order that they appear? **ROY G BIV - Red, orange, yellow, green, blue, indigo, and violet**
3. Clouds that form low and bring rain? **stratus**
4. What is the most abundant gas in the air? **Nitrogen**
5. Is air pressure greater near the sea or on a mountaintop? **Near the sea**
6. What does nimbus mean? **Rain**
7. What does air pressure do before a storm? **Drop**
8. The process of the water cycle where the clouds form is called? **Condensation**
9. The process of the water cycle where rain, snow, sleet, or hail falls? **Precipitation**
10. The process of the water cycle where water vapor rises from oceans and streams? **Evaporation**
11. The process of the water cycle where precipitation begins pooling into river and oceans? **Accumulation**
12. A cold front forms what kind of clouds? **Cumulonimbus**
13. The three properties of air: **Mass, weight, and exerts pressure**
14. 2 out of 100 thunderstorms turn into? **Tornadoes**
15. White, fluffy clouds are called? **Cumulos**
16. Towering thunderhead clouds are called? **Cumulonimbus**
17. Feathery clouds that form high in the atmosphere? **Cirrus**
18. Layered clouds that form low? **stratus**

19. The name of a weather forecaster? **Meteorologist**
20. Clouds that form close to the ground? **Fog**
21. How does rain form? **Water drops form on dust particles forming clouds. Once these water drops become heavy enough, they fall.**
22. What is the water cycle? **The processes of evaporation, condensation, precipitation, and accumulation that the Earth's water continuously undergoes.**
23. What is the name of a leading edge of cold air mass? **Cold Front**
24. What is the name of a leading edge of warm air mass? **Warm Front**
25. What is a storm called that forms over the oceans in the tropics? **Hurricane**
26. What is a storm called where a cloud comes down from the sky, often touching the earth, and tearing up everything within the cloud's path of twirling winds? **Tornado**
27. What tool would you use to measure temperature? **Thermometer**
28. What tool measures precipitation? **Precipitation Gauge**
29. What tool measures wind speed? **Anemometer**
30. What tool determines direction wind is blowing? **Wind Vane**
31. What tool measures air pressure? **Barometer**
32. What tool measures humidity? **Hygrometer/Psychrometer**
33. What scale is used to determine wind force? **Beaufort Scale**
34. A storm that has heavy winds and heavy snowfalls is called? **A blizzard**
35. When it is summer in the Southern Hemisphere, it is what season in the Northern Hemisphere? **Winter**
36. What is the name of the atmosphere layer where weather occurs?
Troposphere