

Name: _____

Too Much Precipitation

Directions: Meteorologists issue advisories, watches, and warnings. Do you know what they mean?

What is a Flood? A flood can be the result of days of heavy rain and/or melting snow causing rivers to rise and overflow their banks.

What is a Flash Flood? A flash flood is a sudden flooding that occurs when floodwaters rise very quickly with no warning after several hours of intense rain. In narrow canyons, valleys, and dry river beds, floodwaters can flow faster and can be very destructive. Flash floods are responsible for deaths every year, many auto-related. It is important to be aware of the warnings.

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|----|---|---|
| a. | <div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">flood
watch</div> | _____ means flooding conditions are actually occurring in the warning area. |
| b. | <div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">flash flood
watch</div> | _____ means that an overflow of water from a river is possible for your area. |
| c. | <div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">flood
warning</div> | _____ means that flash flooding is actually occurring in the warning area. |
| d. | <div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block;">flash flood
warning</div> | _____ means that flash flooding is possible in or close to the watch area. |

Meteorologists use **radar** to help predict weather. Radar is an acronym from the words **R**adio-**D**etection **A**nd **R**anging. Radar is an electronic instrument which uses radio waves to detect the presence of objects in the atmosphere.

Meteorologists may use **DOPPLER** radar or **METRAD** radar. Watch a weather report on television or on the internet. Listen to how the meteorologist describes what the radar shows and what he or she predicts the weather to be based on that information.

Listen for these words: **high pressure, low pressure, dew point, humidity, relative humidity, air mass, and front.**