

WEATHER OR NOT

All the weather forecasters in the town of Secret have this annoying habit of telling about the weather without telling exactly what it is! See if you can give the correct term for the weather condition or event that they describe.

1. "Centers of low pressure are bringing cloudy, wet, windy weather to our area."
2. "Today you can expect the ground to get cold enough for water vapor in the air to condense into water droplets which will be deposited on the ground."
3. "Water droplets are forming and hovering over the ground because the air is being cooled by cool underlying ground."
4. "Whirling funnels of air are expected to form between the bottom of a storm cloud and the ground."
5. "I predict we'll see tiny water droplets in the clouds join together to make drops before the day is over."

6. "This weekend water will freeze on ice pellets in the clouds and make crystals which will join to other crystals."
7. "We'll see lots of electricity released which has built up in thunder clouds by evening."
8. "Hovering over our area is this boundary between two air masses of different composition."
9. "Get prepared for a week of heavy, dense air that sinks."
10. "Centers of high pressure will bring dry, sunny, settled weather for the next several days."

11. "Something will move into the area over the next few days that is formed when tiny droplets of water collected together are suspended in air."
12. "Droplets of water will freeze in layers around a nucleus of ice. These will become larger as air currents toss them up and down during severe thunderstorms."
13. "You can expect to find that cooling ground will cool the air around it, and as the temperature falls, the dew will freeze."
14. "Residents will need to evacuate due to a storm with extremely high winds developing over the warm tropical ocean offshore."
15. "This afternoon, air will expand several times at great speeds and cause booming sounds."

THUNDER

DEW

FROST

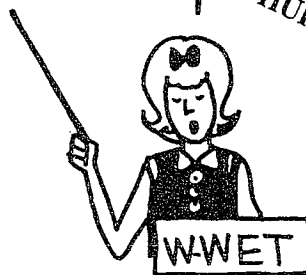
SNOW

TORNADO

HURRICANE

LIGHTNING

COLD AIR



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Name _____

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WARM FRONT DROUGHT TORNADO WARNING ANTICYCLONE

MORE WEATHER OR NOT

DEW POINT BLIZZARD

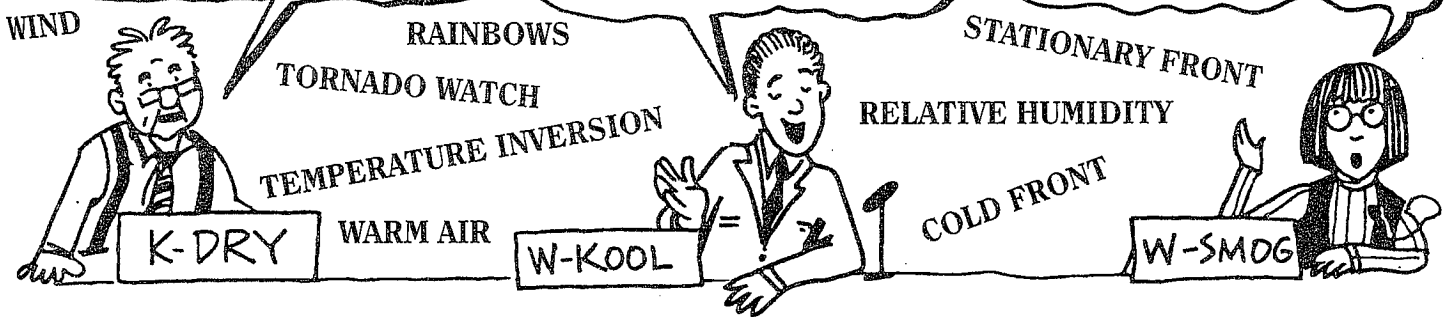
CYCLONES

PRECIPITATION

- 16. "The weather tonight will be dominated by air movement that is caused by air moving from areas of high to low pressure."
- 17. "You can expect sunlight to shine through rain drops and break up into its many colors."
- 18. "You can expect some water to fall from the sky in the form of rain, hail, sleet, or snow."
- 19. "We'll be surrounded for a few days with lighter air that rises."
- 20. "The measure of the amount of water vapor in the air will be low for the rest of the week."
- 21. "I'll be right back to report the temperature at which condensation will occur today."

- 22. "The warm front we had yesterday has stopped moving. It is likely to remain in place for several days."
- 23. "We're looking here at an area of high pressure where the air is circulating clockwise and causing areas of fair weather."
- 24. "We're notifying the county that severe tornado conditions exist."
- 25. "The temperature of the air, rather than getting cooler at higher altitudes, is warmer, and this air is holding the cold air down near the ground, causing fog in the valleys."
- 26. "Air is flowing out counterclockwise from an area of low pressure and causing a major storm."
- 27. "We're notifying the county that tornado conditions could develop."

- 28. "Right now raindrops are falling out there through a layer of air that is less than -3° C. This is causing these drops to freeze."
- 29. "Get ready for a weekend of high winds and heavy, blowing snow."
- 30. "The whole Midwest is experiencing a prolonged period without rain or any other precipitation."
- 31. "This weekend, a cold air mass will invade a warm air mass, bringing rain showers and thunderstorms, followed by cooler temperatures."
- 32. "Next week, you can expect this warm air mass to meet this cold air mass over the southern part of the state and bring rain and snow."



Name _____