



Name _____ Class _____ Date _____

1

A small weather system that has **intense energy** which creates **heavy rains**, high **winds**, and **lightning** is called a _____.

- A hurricane
- B thunderstorm
- C tornado
- D cold front



2

A **thunderstorm** occurs in when the atmosphere is **unstable**. The atmosphere is considered **unstable when** _____.

- A a warm front moves into a cool area
- B warm and dry air is surrounded by cool air
- C warm and humid air is surrounded by cool air
- D cool and dry air is surrounded by warm and dry air



3

In an unstable atmosphere, cumulonimbus clouds become **electrically charged**. The upper portions of the clouds are negatively charged and the **lower** portions are **positively charged**. Lightning

4

There is a relationship between the point a **lightning flash** occurs and the time the **thunder** can be heard. This relationship can help to determine how far away a thunderstorm is from the

5



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7

cumulonimbus cloud that touches the ground is known as a(n) _____.

- A hurricane
- B occluded front
- C tornado
- D cyclone



10

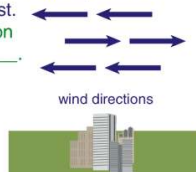
- A extremely high
- B extremely low
- C about the same as the air pressure in the region of the storm
- D variable from top to bottom



9

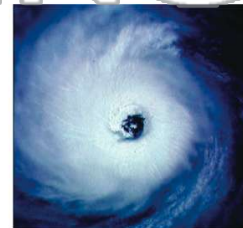
Tornadoes begin to form when the **wind direction** changes from the ground **upwards** in the atmosphere. Near the ground the wind may blow from the south, but higher in the atmosphere the wind is blowing from the west. **This change in wind direction with altitude is called** _____.

- A a hurricane
- B a tornado
- C an anemometer
- D wind shear



What is the name for an extremely **large, tropical, rotating** weather system that has winds of at least **119 km/h**?

- A hurricane
- B typhoon
- C cyclone
- D all of the above





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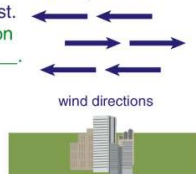


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