



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



## PREVIEW

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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

The **air pressure** in the middle



- 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

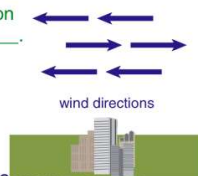


Tornadoes begin to form when the **wind direction**

9 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 \_\_\_\_\_.

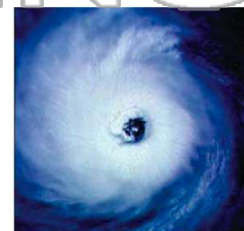
- A a hurricane
- B a tornado
- C an anemometer
- D wind shear

What is the name for an extremely **large,**



10 **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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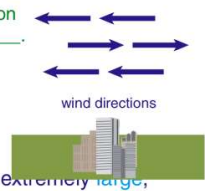
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