

Spotter and Safety Presentation Quiz

- What cloud feature would you most likely see 10 miles away from a thunderstorm?
 - a. Wall cloud
 - b. Tail cloud
 - c. Overshooting top
 - d. Rain free base

- Instability is the result of cold air being lighter than warm air.
 - a. True
 - b. False

- During the dissipating stage, the thunderstorm is dominated by _____.
 - a. Updrafts
 - b. Downdrafts

- The _____ the hail, the _____ the updrafts.
 - a. Larger, weaker
 - b. Smaller, stronger
 - c. Larger, stronger

- What type of cloud is formed from thunderstorm outflow?
 - a. Shelf cloud
 - b. Tail cloud
 - c. Overshooting top

- True or False. Downburst wind damage is convergent.
 - a. True
 - b. False

- If a tornado is bearing down on your home, what is the correct communication method to get that information to the National Weather Service?

- a. eSpotter
- b. CoCoRaHS
- c. Phone - 800#
- d. Twitter

- Which of the following clouds is an inflow feature?

- a. Tail
- b. Cumulonimbus
- c. Shelf Cloud
- d. Downburst

- Which of the following shows wind shear?

- a. Northwest wind at the ground at 10 mph, northwest wind at 5000 feet at 10 mph.
- b. Southwest wind at the ground at 15 mph, southwest wind at 5000 feet at 25 mph.
- c. Southwest wind at the ground at 15 mph, west wind at 5000 feet at 15 mph.
- d. Both b and c.

- True or False. All supercell thunderstorms have a rotating updraft.

- a. True
- b. False

- What time of year are non-tornadic waterspouts the most likely on the Great Lakes?

- a. Summer
- b. Winter
- c. Fall
- d. Spring

- True or False. A mobile home is a safe place to take shelter in a tornado.

- a. True
- b. False

- True or False. Pea size hail covering the ground 10 inches deep, causing numerous accidents, would not be considered a severe thunderstorm by National Weather Service definition.
 - a. True
 - b. False

- The fastest way to receive National Weather Service warning information is from _____.
 - a. Television
 - b. Internet
 - c. NOAA Weather Radio
 - d. Newspaper

- What is the wind scale used to estimate wind speeds using damage?
 - a. Enhanced Fujita
 - b. Wind shear
 - c. Beaufort

- The 3 ingredients needed for thunderstorm development are _____.
 - a. moisture, stability, lift
 - b. lift, instability, wind shear
 - c. moisture, instability, wind shear
 - d. moisture, instability, lift

- True or False. Most wind damage in Northern Michigan each year occurs from squall line thunderstorms.
 - a. True
 - b. False

- Hail should be reported to the National Weather Service in relation to _____.
 - a. coins
 - b. marbles

c. eggs

- True or False. Lightning is the number two weather killer in Michigan behind flooding.
 - a. True
 - b. False

- Each foot of water displaces _____ pounds of automobile.
 - a. 1000
 - b. 1500
 - c. 2000
 - d. 500

- Downbursts are caused by _____ .
 - a. evaporation
 - b. condensation

- In tornado development, _____ rotation is tilted into the _____ by _____ .
 - a. vertical, horizontal, updrafts
 - b. horizontal, vertical, downdrafts
 - c. horizontal, vertical, wind shear
 - d. horizontal, vertical, updrafts

- Shelf clouds are formed by the outflow of _____ from a thunderstorm.
 - a. cool air
 - b. warm air
 - c. dry air

- Spotters should report:
 - a. any size hail

- b. winds of 60 mph
- c. wind damage
- d. funnel clouds
- e. all of the above

● The tail cloud is an _____ feature.

- a. Outflow
- b. Inflow

● E-Spotter is a free online reporting tool for spotters.

- a. True
- b. False