

## ***Spotter and Safety Presentation Quiz***

- During which stage would hail most likely fall from a thunderstorm?
  - a. Dissipating Stage
  - b. Downdraft Stage
  - c. Mature Stage
  - d. Developing Stage
  
- Warm air is less dense than cold air.
  - a. True
  - b. False
  
- During the developing 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
  
- If you think you are about to be struck by lightning, you should \_\_\_\_\_.
  - a. Lie flat on the ground
  - b. Take cover under a tree
  - c. Crouch down on the balls of your feet.
  
- The \_\_\_\_\_ Scale estimates wind speeds using damage after the storm.
  - a. Beaufort
  - b. Enhanced Fujita
  - c. Wind Shear
  
- Which of the following clouds is an inflow feature?

- a. Beaver's 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

- 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 6 inches deep, causing numerous accidents, would not be considered a severe thunderstorm by National Weather Service definition.

- a. True
- b. False

- The safest viewing location for a tornado is generally from what direction?

- a. East
- b. West
- c. North

- 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?
  - a. Enhanced Fujita
  - b. National Weather Service
  - 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
  
- Hail should be reported to the National Weather Service in relation to \_\_\_\_\_ .
  - a. coins
  - b. marbles
  - c. shoe sizes
  
- True or False. Lightning is the number one weather killer in Michigan.
  
- 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. hail
  - b. winds of 60 mph
  - c. wind damage
  - d. funnel clouds
  - e. all of the above
  
- The tail cloud is a \_\_\_\_\_ feature.
  - a. Outflow
  - b. Inflow
  
- The dissipating stage of a thunderstorm is dominated by downdrafts.
  - a. True
  - b. False
  
- E-Spotter is a free online reporting tool for spotters.
  - a. True
  - b. False