

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

### **Answers in Red**

- 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 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