

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

### **Answers in Red**

- 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