



## Thunderstorms - Review Questions

1. Thunderstorms are most common in the:
  - a. northwest U.S.
  - b. southwest U.S.
  - c. southeast U.S.
  - d. northeast U.S.
  
2. Name the three necessary ingredients for thunderstorm formation.
  - a. Lifting Mechanism, Fronts, Moisture
  - b. Moisture, Lifting Mechanism, Instability
  - c. Lifting Mechanism, Mountains, Oceans
  - d. Stability, Moisture, Heat
  
3. An air mass is unstable when cool dry air is near the surface and warm moist air is aloft. (TRUE, FALSE)
  
4. Where is terrain most likely to be a source of lift for thunderstorm development?
  - a. Great Plains
  - b. Corn belt
  - c. Rocky Mountains
  - d. Coastal plain
  
5. The first stage of a thunderstorm is the...
  - a. Cumulus stage
  - b. Mature stage
  - c. Dissipating stage
  
6. The most likely stage for large hail and damaging winds is the...
  - a. Cumulus stage
  - b. Mature stage
  - c. Dissipating stage
  - d. Hail stage
  
7. The type of thunderstorm that produces nearly all of the significant tornadoes is the...
  - a. Thunderstorm cluster
  - b. Squall line
  - c. Single cell
  - d. Supercell

8. The clouds in this image (right) are most representative of what stage in the life of a thunderstorm?
- Mature stage
  - Dissipating stage
  - Growth stage
  - Cumulus stage



9. A SEVERE Thunderstorm is one that produces:
- Lightning
  - Wind gusts to 50 mph and marble-size hail
  - Tornadoes
  - Flash floods

10. The #1 killer among thunderstorm hazards is...
- Lightning
  - Tornadoes
  - Large hail
  - Flash flooding

11. The #3 killer among thunderstorm hazards is/are...
- Lightning
  - Tornadoes
  - Large hail
  - Flash flooding

12. The most destructive weather element is/are...
- Lightning
  - Tornadoes
  - Large hail
  - Flash flooding

13. Most flash flood deaths occur in homes (TRUE, FALSE)

14. A highway overpass is a good place to take shelter from a tornado (TRUE, FALSE)
15. Which state is not in tornado Alley?
- Kansas
  - Florida
  - Nebraska
  - Texas
16. How long should you stay in shelter after the last thunder is heard?
- 15 minutes
  - 20 minutes
  - 30 minutes
  - 25 minutes
17. Where is the safest place to be in a tornado?
- basement
  - interior closet or bathroom
  - hallway
  - ditch or ravine
18. Most tornados are spawned by a special kind of thunderstorm called a \_\_\_\_\_.
- supercore
  - supercell
  - multicell
  - multicore
19. About how many tornadoes strike the U.S. each year?
- 800
  - 1,000
  - 1,300
  - 2,000
20. A dryline is the boundary between two air masses of different moisture content and separates warm, moist air from hot, dry air. (TRUE, FALSE)