

Multiple Choice

1. Which below will *not* cause a hurricane to dissipate?
 - a. when it moves over colder water
 - b. when it moves over land
 - c. when, above the storm, upper-level outflow of air exceeds surface inflow of air
2. The primary source of energy for a hurricane is the:
 - a. strong surface winds
 - b. heat produced by the sinking of air in the eye
 - c. rising of warm air and the sinking of cold air associated with weather fronts
 - d. release of latent heat of condensation and warm water
 - e. meandering jet stream aloft
3. An area of North America that would *most likely* experience thunderstorms, hurricanes, and tornadoes during the course of a year is the:
 - a. region around the Gulf of Mexico
 - b. Pacific northwest
 - c. south-central Canada
 - d. region around the Great Lakes
 - e. Great Plains
4. As a hurricane's eye passes directly overhead you would *not* expect to observe:
 - a. a rise in temperature
 - b. high winds
 - c. high clouds
 - d. a very low sea level pressure
5. An atmospheric condition that is *not* conducive to the formation of hurricanes is:
 - a. strong upper-level winds
 - b. an area of organized thunderstorms
 - c. warm, humid surface air
 - d. warm water
 - e. a region of converging surface winds
6. Scientists have tried to modify hurricanes by:
 - a. igniting huge smoke bombs in the eye of the storm
 - b. seeding the hurricane with hair-thin pieces of aluminum
 - c. seeding the hurricanes with silver iodide
 - d. placing an oil slick over the ocean water and igniting it