

Science On A Sphere



Pre-test

1. What are the four conditions necessary for hurricanes to form?
 - a.
 - b.
 - c.
 - d.
2. Why are the conditions in the northern hemisphere during the months of June through November right for hurricanes to form?
 - a. El Niño is occurring during these months
 - b. Earth is tilted toward the sun during these months
 - c. Earth is closest to the sun during these months
 - d. The Coriolis Effects is stronger during these months
3. Hurricanes, and the conditions necessary for hurricanes to form, are common in the southern hemisphere during the same months as in the northern hemisphere.
 - a. True
 - b. False
4. Where do most of the tropical disturbances that eventually become hurricanes begin, in the Atlantic Ocean?
 - a. Africa
 - b. Caribbean
 - c. Cuba
 - d. Gulf of Mexico
5. Do hurricanes (tropical cyclones) form in the Pacific Ocean?
 - a. Yes
 - b. No
6. Is Will-willy another name for a hurricane?
 - a. Yes
 - b. No
7. How does NASA do most of its observations of hurricanes and other earth science phenomena?
 - a. Air planes
 - b. Ships
 - c. Satellites
 - d. The Space Shuttle
8. In which direction does the Coriolis Effect cause hurricanes to spin in the Northern Hemisphere?
 - a. Clockwise
 - b. Counter-clockwise
9. Where do most hurricanes form on Earth?
 - a. Tropics
 - b. Mid-latitudes
 - c. Horse latitudes
 - d. At the poles
10. Hurricanes are rare storms.
 - a. True
 - b. False

hurricanes

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Answer Sheet

1. What are the four conditions necessary for hurricanes to form?
 - a. **Sea-surface temperatures above 82° F (26.5°C)**
 - b. **Warm Air**
 - c. **Humid Air**
 - d. **Low wind shear**
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