

## Hurricanes Quiz PDF

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**Describe the impact of Hurricane Katrina on New Orleans and the surrounding areas.**

**What are the primary components of a hurricane's structure, and how do they contribute to its overall dynamics?**

**Which part of a hurricane is typically calm and clear?**

- Eye wall
- Spiral rainbands
- Outer bands
- Eye

**What is the minimum wind speed for a storm to be classified as a hurricane?**

- 39 mph
- 74 mph
- 96 mph

58 mph

**During which months does the Atlantic hurricane season officially occur?**

- May to October
- July to December
- August to January
- June to November

**Explain the difference between a tropical depression, a tropical storm, and a hurricane.**

**Discuss the role of meteorological organizations in forecasting and tracking hurricanes.**

**Which ocean is NOT typically associated with hurricanes?**

- Atlantic Ocean
- Pacific Ocean
- Arctic Ocean
- Indian Ocean

**Which safety measures are recommended during a hurricane? (Select all that apply)**

- Evacuation plans
- Building sandcastles
- Securing properties

- Emergency kits

**What factors contribute to the formation of hurricanes? (Select all that apply)**

- Warm ocean water  
 High atmospheric pressure  
 Moisture in the air  
 Light winds aloft

**Which of the following hurricanes was the costliest in U.S. history?**

- Hurricane Andrew  
 Hurricane Sandy  
 Hurricane Harvey  
 Hurricane Katrina

**What are the stages in the lifecycle of a hurricane? (Select all that apply)**

- Formation  
 Erosion  
 Dissipation  
 Maturity

**Which of the following are effects of hurricanes? (Select all that apply)**

- Storm surge  
 Heavy rainfall  
 Earthquakes  
 tornadoes

**What scale is used to classify the intensity of hurricanes?**

- Richter Scale  
 Saffir-Simpson Scale  
 Beaufort Scale  
 Fujita Scale

**How do hurricanes affect the economy of affected regions? Provide examples.**

**In what ways can individuals and communities prepare for the hurricane season to minimize damage and ensure safety?**

**What is the primary source of energy for a hurricane?**

- Cold air masses
- Warm ocean water
- Solar radiation
- Ocean tides

**What phenomenon causes hurricanes to rotate counterclockwise in the Northern Hemisphere?**

- El Niño
- Coriolis Effect
- Jet Stream
- La Niña

**How does climate change potentially affect hurricanes? (Select all that apply)**

- Increases frequency
- Decreases intensity
- Increases intensity
- Changes patterns

**Which regions are commonly affected by hurricanes? (Select all that apply)**

- Caribbean Sea
- Mediterranean Sea
- Gulf of Mexico
- Eastern Pacific Ocean