

Worksheet: Understanding Hurricanes, Typhoons, and Cyclones

Grade: 10

Topic: Environment

Source: National Geographic

Task 1: Matching (Drag and Drop)

Match the terms on the left with their correct definitions on the right.

Term	Definition
1. Hurricane	A. A tropical cyclone in the Northwest Pacific Ocean
2. Typhoon	B. A tropical cyclone in the Atlantic Ocean or Northeast Pacific Ocean
3. Cyclone	C. A rotating storm system with low pressure at its center
4. Eye of the storm	D. The calm, clear center of a tropical cyclone

(Drag the correct definition to the corresponding term.)

Task 2: Multiple Choice (One Correct Answer)

What is the primary energy source for hurricanes, typhoons, and cyclones?

- a) Wind currents
 - b) Warm ocean water
 - c) Solar radiation
 - d) Volcanic activity
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Task 3: Multiple Choice (Several Correct Answers)

Which of the following are characteristics of a tropical cyclone? (Choose all that apply.)

- a) High wind speeds
 - b) Heavy rainfall
 - c) High atmospheric pressure
 - d) Formation over warm ocean waters
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Task 4: Open-Ended Question

Explain why hurricanes, typhoons, and cyclones are more likely to form in tropical regions.

Task 5: Fill in the Blank (Choose the Correct Word)

Hurricanes, typhoons, and cyclones are all types of _____ storms.
(Options: tropical, polar, desert, mountain)

Task 6: Short Answer

What is the difference between a hurricane and a typhoon?

Task 7: Drag and Drop (Complete the Sentence)

Complete the sentence by dragging the correct word into the blank:
“The _____ of a hurricane is the area of strongest winds and heaviest rainfall.”
(Options: eye, eyewall, outer bands, center)

Task 8: True or False

1. Hurricanes and typhoons are the same phenomenon but occur in different regions. (True/False)
 2. Cyclones can only form in the Northern Hemisphere. (True/False)
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Task 9: Discussion Question

How do hurricanes, typhoons, and cyclones impact the environment and human communities? Provide at least three examples.

Answer Key

Task 1: 1-B, 2-A, 3-C, 4-D

Task 2: b) Warm ocean water

Task 3: a, b, d

Task 4: Tropical regions have warm ocean waters and atmospheric conditions that provide the energy needed for cyclone formation.

Task 5: tropical

Task 6: Hurricanes occur in the Atlantic Ocean or Northeast Pacific, while typhoons occur in the Northwest Pacific.

Task 7: eyewall

Task 8: 1-True, 2-False

This worksheet encourages critical thinking and reinforces key concepts about hurricanes, typhoons, and cyclones.