

Year 7

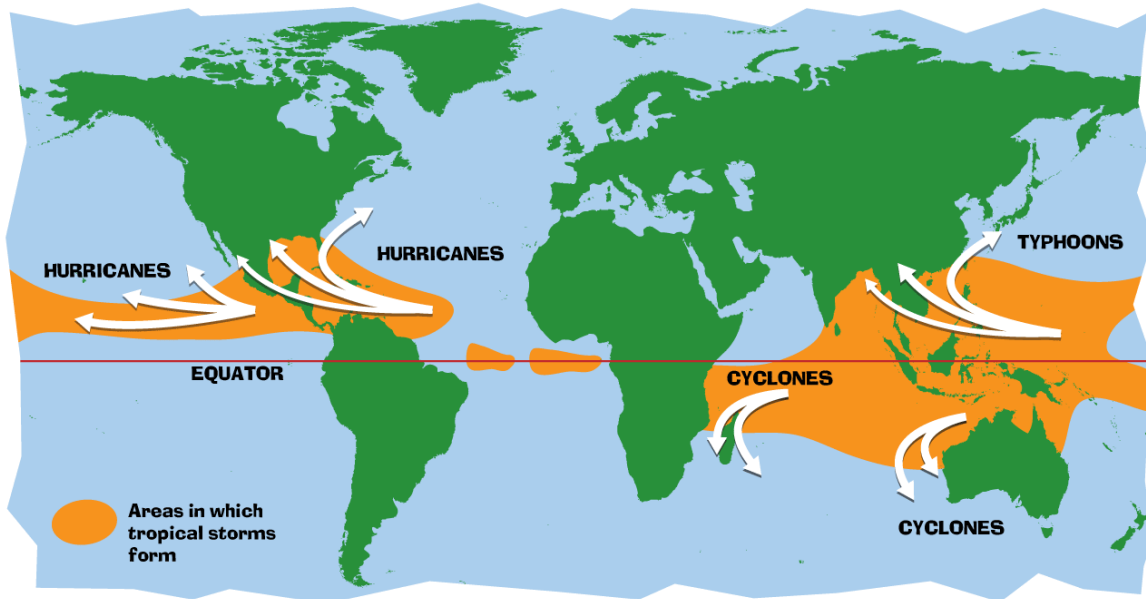
Name:

Teacher:

Title: How do hurricanes form?

Tropical storms are also known as hurricanes, cyclones and typhoons – but they're all the same thing!

Task 1: Where tropical storms are found is shown in the map below.



Describe the distribution of tropical storms around the world.

Key words: Equator, Tropic of Cancer, Tropic of Capricorn

Task 2: Using your knowledge about weather. Put the statements below in the correct order to explain how tropical storms form. The first one has been done for you.

Tropical storms can only form over warm oceans – when sea surface temperature is greater than 26.5°C.	
Along the Equator, the sun's energy is concentrated, meaning the sea gets really warm.	1
When the ocean gets warmer it evaporates and the warm air rises to make an area of low pressure.	
The low pressure pulls in more warm air which has a lot of energy, causing it to form thunderstorm clouds.	

Task 3: Plot the path of the hurricane from the Pacific Ocean to the USA using the co-ordinates.

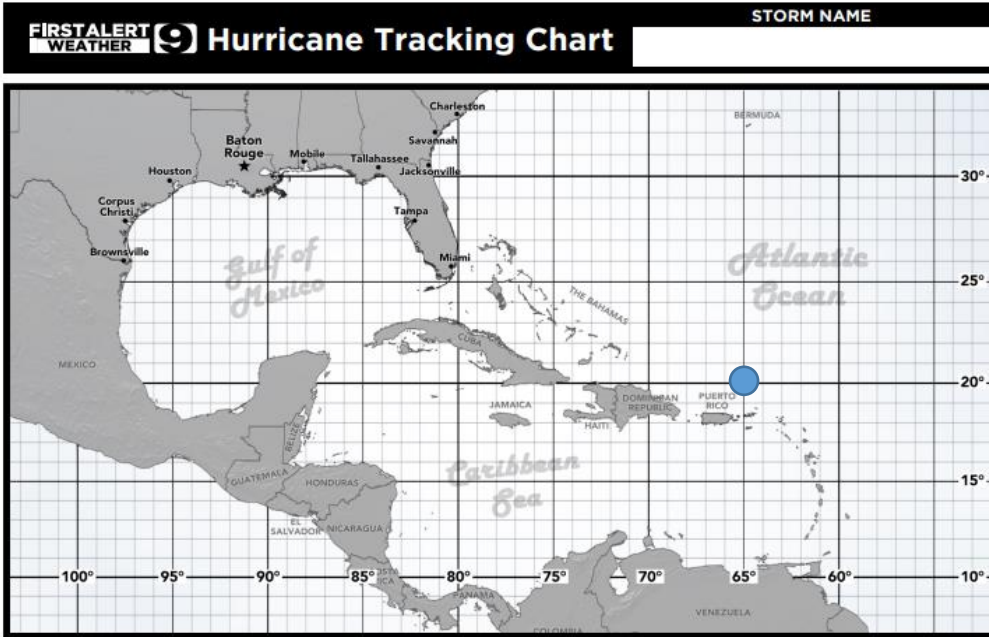
Remember along the corridor and up the stairs – the first one has been done for you.

Latitude = horizontal line on the graph

Longitude = the vertical line on the graph



Date	Latitude/ °	Longitude/ °
1 st June	65	20
2 nd June	72	16
3 rd June	77	16
4 th June	81	21
5 th June	89	24
6 th June	89	29
7 th June	90	30
8 th June	92	33



Task 4: Using **compass directions** and the name of the sea's on the map (Atlantic Ocean, Gulf of Mexico, and Caribbean Sea), describe the hurricane's path.



Task 5: Which countries do you think were most affected by the tropical storm you mapped out. Why?
