**Critical Thinking Task**

**As a hurricane approaches and passes across an area it brings a distinct weather pattern.**

**TASK - Consider the cross section of a hurricane in order to return the statements to the table below.**

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| --- | --- | --- | --- | --- | --- |
| Direction of hurricane movement | | | | | |
|  | Approach of hurricane  70-100 km | 30 – 50 km | Eye  5-20 km | 30 – 50 km | End of hurricane  70 - 100 km |
| Temperature |  |  |  |  | Temperatures rise |
| Pressure |  |  | Pressure very low |  |  |
| Cloud |  |  |  | Cumulonimbus clouds and torrential rain. |  |
| Wind | Winds are gentle and from the north-west. Gusts may begin |  |  |  |  |

Temperature begins to fall  
Pressure begins to rise   
Wind speed increased – up to 100 kph   
Pressure begins to fall   
Temperature rises as sun makes a brief appearance  
Sky clears for a period   
Temperature drops again   
Clouds begin to form and showers develop   
Pressure falls   
Winds decrease  
Pressure continues to rise   
Cloud cover and rain decreases  
Period of calm   
Hurricane force winds  
Winds now in the south-east   
Cumulonimbus clouds form bringing thunder and torrential rain (250 mm in a day)   
Temperature continues to drop