**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.**

|  |
| --- |
| Direction of hurricane movement |
|  | Approach of hurricane 70-100 km | 30 – 50 km | Eye5-20 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