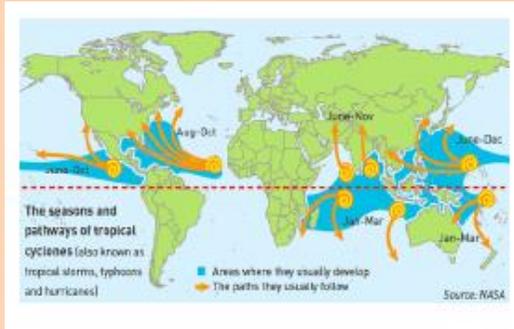




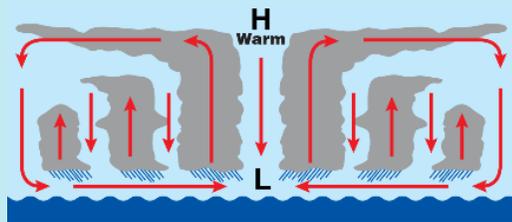
# Year 9 Geography- Tropical Storms

## Tropical Storm Distribution



- Form over oceans either side of equator but not on the equator, between the tropics where sea temperatures are above 27 degrees
- Hit land in Americas, Caribbean, S.E Asia, Northern Australia

## Tropical Storm Formation



- Thunderstorms move over warm water. Low pressure and rain created
- Air sinks down the centre of the storm- the eye (high pressure). Calm conditions
- Trade winds blow from opposite directions so the storm spins
- The storm moves over water and picks up more warm water and energy. When it reaches land it loses energy

## Tropical Storm- Developed Country- Hurricane Michael, Florida, USA

- Category 4- 10 Oct 2018
- Florida Panhandle main area affected
- Impacts: 23 killed in Florida- 12 in other states
- Homes flattened at Mexico Beach
- 3 million acres timber- destroyed- cost \$1.3 Bn
- Raw sewage spilled in rivers- destroyed habitats
- Responses- 375,000 people evacuated before hurricane hit
- FEMA cleared debris off road so medical help could reach affected areas.

## Tropical Storm- Developing Country- Typhoon Haiyan, Philippines

- Category 5- November 2013
- Impacts: 6340 people killed, 28,000 injured
- 2.5 million needed food aid as crops destroyed
- Cost of damage \$4.55 Bn
- Trees uprooted- forest habitats destroyed
- Responses- many people ignored order to evacuate
- UK sent 18 doctors and donated £60 million
- World Vision and Red Cross gave money and sent volunteers to help

## Key Vocabulary

|                          |   |
|--------------------------|---|
| Distribution             | Where something is located and how it is spread out                                   |
| Tropical storm formation | How a tropical storm is created   |
| Secondary Hazards        | Something that happens after the initial event that could cause harm                  |
| Saffir- Simpson Scale    | The scale used to measure tropical storms. From 1-5                                   |
| Impacts                  | How the event effects people, the environment and the economy                         |
| Responses                | Something that happens after the event to improve things                              |
| Storm Surge              | A large amount of water that is pushed towards the shore due to the force of the wind |
| Landslides               | A collapse of a large amount of earth, mud or rock from a mountain or cliff           |
| Eye                      | The centre of a tropical storm. High pressure, air sinking, calm conditions           |
| Eye Wall                 | The most powerful area of the storm. Air rising, low pressure                         |