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Cyclones

- Circulatory winds in the lower part of the atmosphere are generally termed as cyclone.
- They originate over the warm ocean water of tropical and temperate regions.
- A cyclone occurs when a low pressure region is surrounded by high pressure.

Precautions against Cyclones



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- People should seek the latest information about weather on television and radio and act according to warning during a cyclone alert
- We should remain in our house if it is constructed well and close all windows and doors.
- In case, it is a semi-pakka house or a hut we should leave it quickly to a stronger building.
- When the wind subsides, should not come out immediately from the house. Wait for proper announcement by the government.



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Flood

- ✓ Flood occurs when a large amount of water covers an area.
- ✓ It generally occurs due to heavy rainfall.
- ✓ Flood also occurs when a river overflows its water due to heavy rainfall.
- ✓ A flood is dangerous and it causes damage to life and property.
- ✓ Flood water submerges everything when it enters an area.



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How to remain safe during Flood

During a flood

- ❖ Seek higher ground. Do not wait for instructions.
- ❖ Be aware of flash flood areas such as canals, streams, drainage channels.
- ❖ Be ready to evacuate.
- ❖ If instructed, turn off utilities at main switches and unplug appliances - do not touch electrical equipment if wet.
- ❖ If you must leave your home, do not walk through moving water. Six inches of moving water can knock you off your feet. Use a stick to test depth.
- ❖ Do not try to drive over a flooded road.



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After a flood

- ✓ Stay away from flood water - do not attempt to swim, walk or drive through the area
- ✓ Be aware of areas where water has receded. Roadways may have weakened and could collapse.
- ✓ Avoid downed power lines and muddy waters where power lines may have fallen.
- ✓ Do not drink tap water until advised by the Health Unit that the water is safe to drink.



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Drought

- ✓ Drought can be defined as extreme shortage of rainfall or water in a particular area.
- ✓ It directly affects the crops and results in the shortage of food for animals and humans.

Precautions-

1. Rain water harvesting should be done in drought prone areas .
2. Conservation of water and using it carefully should be done.



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Human Made Disasters

They are caused because of negligence and mistakes of terrorisms, use of weapons of mass destruction, war, industrial accidents, large fires and collapse of economic and social structures.





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DISASTER-EFFECTS

- Deaths
- Disability
- Increase in communicable disease
- Psychological problems
- Food shortage
- Socioeconomic losses
- Shortage of drugs and medical supplies.
- Environmental disruption



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Agencies for Disaster Management



□ Floods : Ministry of Water Resources, CWC

□ Cyclones : Indian Meteorological Department

□ Earthquakes : Indian Meteorological Department

□ Epidemics : Ministry of Health and Family Welfare

□ Avian Flu: Ministry of Health, Ministry of Environment

□ Ministry of Agriculture and Animal Husbandry



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Nodal Agencies for Disaster Management

Chemical Disasters : Ministry of Environment and Forests

Industrial Disasters : Ministry of Labour Rail

Accidents : Ministry of Railways

Air Accidents : Ministry of Civil Aviation

Fire : Ministry of Home Affairs

Nuclear Incidents : Department of Atomic Energy

Mine Disasters : Department of Mines



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DISASTER MANAGEMENT



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