

# Environmental Studies and Disaster Management

(Semester - II)



## Types of DISASTER



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# Disasters

Earthquake



Cyclone



"The sudden event that leads to the huge loss of life and property"



Terrorist attack



Atomic power  
plant failure

# Disasters

## EXTENT OF DAMAGE

Accident



*Small Damage*

Atomic power plant failure



*Huge Damage*

# Disasters

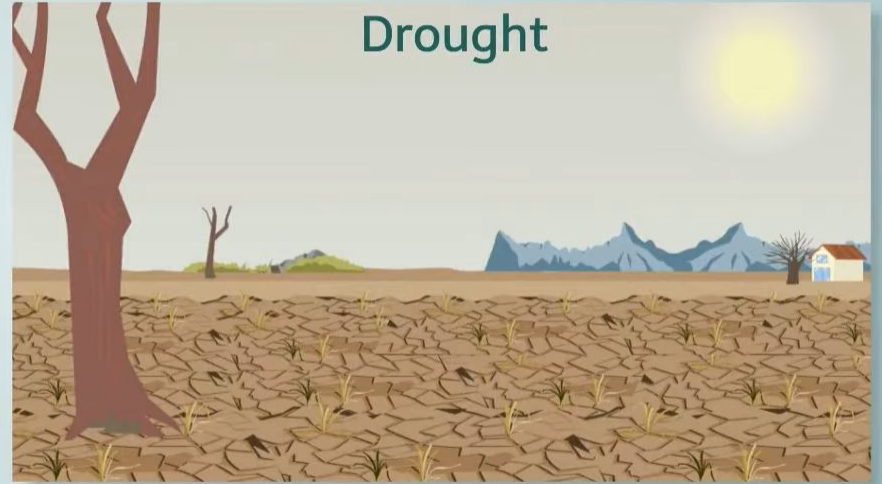
## PERIOD OF EACH DISASTER

Earthquake



*Short term Disaster*

Drought



*Long term Disaster*



# Classification of Disasters

## Natural Disasters

**Occurs through  
Natural  
Phenomenon**  
E.g. Earthquake  
and Natural  
Flood etc.



## Manmade Disasters

**Occurs due to  
Human Actions**  
E.g. Industrial  
explosion, chemical  
spill, terrorism,  
building fire etc.



# Classification of Disasters

## *Natural Disasters*

"Adverse event that results from natural processes of the Earth"



Earthquake



Cyclone



Volcano



Flood



Drought

# Classification of Disasters

## Natural Disasters

"Adverse event that results from natural processes of the Earth"

### Geophysical

- Earthquake
- Volcano
- Landslide (Dry)
- Rockfall (Dry)



### Biological

- Epidemic
- Infectious diseases
- Insect bites



### Meteorological

- Local storm
- Tropical and Extratropical Cyclones
- Tornadoes



### Hydrological

- Tsunami
- Flood
- Hailstorm
- Landslide (Wet)
- Rockfall (Wet)



### Climatological

- Heat wave
- Cold wave
- Drought
- Forest fire





# Classification of Disasters

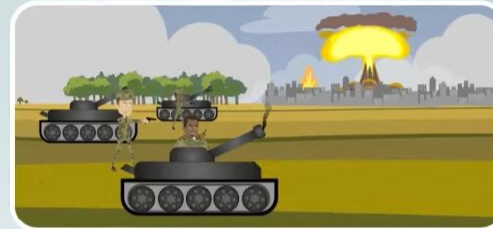
## Manmade Disasters

"Happens due to technological growth"

### Accidental

### Intentional

Industrial  
Accident



War

Chemical  
Spill



Crime

Fire



Terrorist  
Activities



# Effects of Disaster



# Effects of Disaster



Medical



Economic



Social



Environmental



Political



Administration

