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# CLIMATE ACTION



Take urgent  
action to  
combat  
climate  
change and its  
impacts

# What is climate change?

- Increased global temperature- scientists say that now temperatures rising faster than natural fluctuations in the climate
- Linked to the greenhouse effect (re-emitted sun rays that where radiating back to space because trapped in greenhouse gases).
- Greenhouse gases released form industry and agriculture adding to climate change
- According to WMO 2015-2019 have been hottest temperatures on record
- World one degree Celsius warmer than before industrialization of world and average sea level increased by 3.6mm per year between 2005-2015

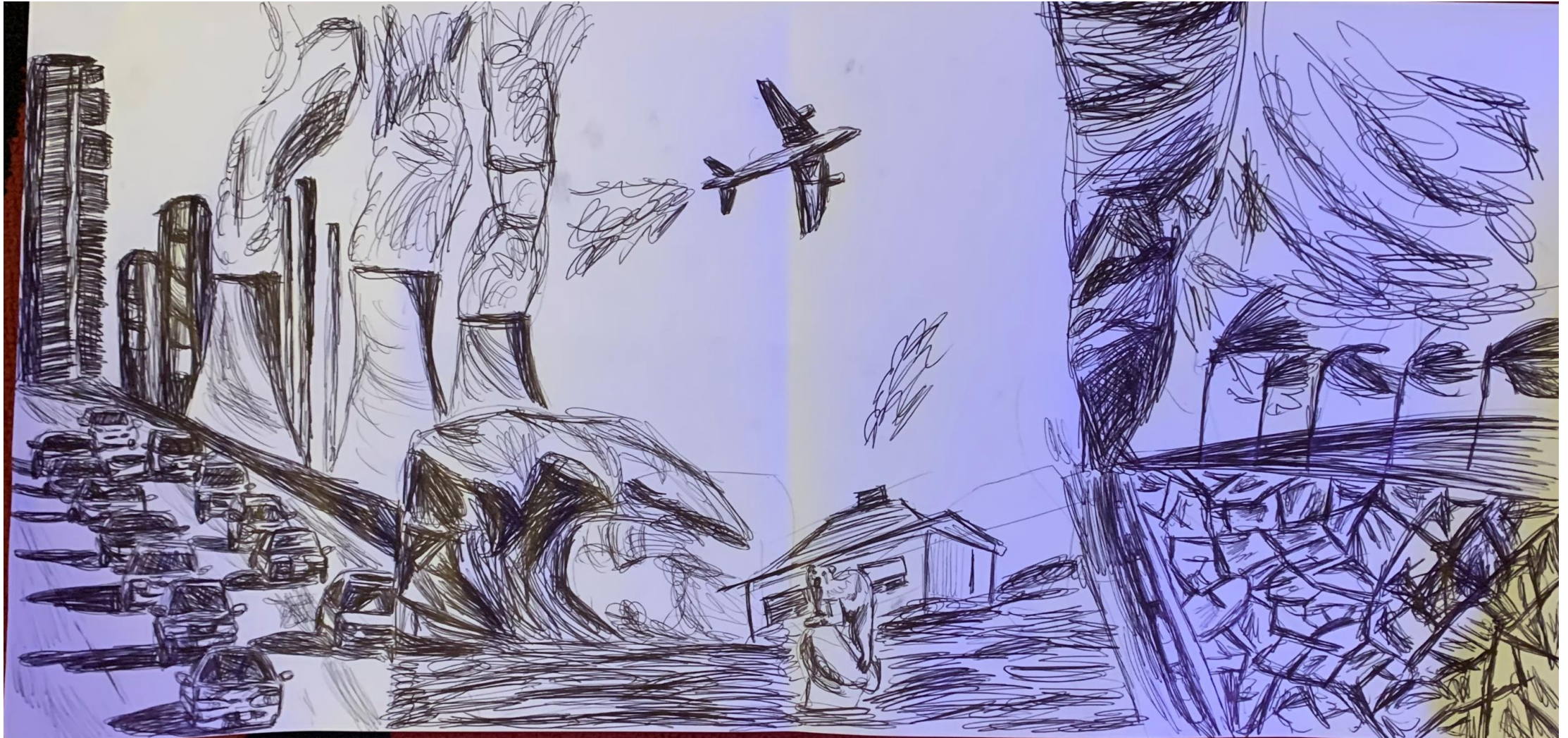
# The Issue of climate change:

- More floods and droughts.
- More extreme rainfall patterns.
- Increases pressure on water supplies.
- More weather hazards- hurricanes, tornadoes etc..
- Sea levels rise -polar habitats destroyed
- Ecosystems disturbed
- Increased global temperature
- Coastal erosion.
- Flooding destroying crops

# Some impacts of climate change:

- Serious impacts on the world's water systems.
- Water supplies under increased pressure as less water available in droughts.
- More weather hazards which destroy architecture and take lives..
- Sea levels rise -polar habitats destroyed, land lost to the ocean
- Species not adapted to survive in changing conditions -knock on affect to other species which rely on them to survive and reproduce.
- Health impacts due to heat
- Coastal erosion- land mass lost, and cliff edges become more unsafe to humans.
- Impacting on food chain due to flooding in farmer fields as crops die.

# My artwork depicting negative impact of climate change:



# About my artwork:

- Biro pen drawing- harsh black lines to depict the harsh affects of climate change
- Cars, planes, powerplant stations, urbanization all human factors which contribute to climate change.
- Weather hazards being destructive
- Colour scheme- black for death as climate change kills the environment and if urgent action not taken there is a threat to human life.

# Which countries suffer from climate change to the most?

- Poorer countries are least equipped to deal with rapid changes so can suffer more however...
- Results of Global Climate Risk Index 2020 says that based on impacts of weather events caused by climate change and socio-economic losses they cause Japan, the Philippines and Germany are the most affected places by climate change today.
- The Osaka earthquake and Jebi typhoon 2018 made Japan most threatened country in world by climate change. Weather events itself are behind 1,282 deaths on the island and caused an economic loss of 35,839 million dollars.
- Extreme weather events in The Philippines in 2018 caused 455 deaths and had a drop in GDP of 0.48% per capita.
- Due to the heat wave in Germany 2018 which was the hottest in its history causes a damage of more than 3,500 million dollars in the agricultural sector and causes total of 1,246 deaths from weather events.

# Barriers to solving climate change?

- Low personal understanding of climate change or local.
- Inadequate funds for adaption or resources
- Uncertainty about risks of adapting to climate change
- Prioritized more immediate issues
- Lack of leadership to change and resolve climate change
- Legal uncertainty e.g. development of coastline defenses



# How would I attempt to resolve climate change?

- Use renewable sources of energy instead of fossil fuels like electricity that is made with wind or solar power.
- Walk, cycle or use public transport to commute so less cars on the road and less greenhouse gases emitted from the engines.
- When cold at home put on layers of clothes not use the heating because it uses less energy which comes from finite resources,
- Buy products from sustainable environmental companies that lower their carbon footprint.
- Buy food from local areas instead of supermarkets so food has traveled less food miles which uses fossil fuels to transport.
- Cut down on meat consumption because cows are over cultivated and are a major emitter of a greenhouse gas methane and use up lots of water.
- Protect the rainforests like the amazon to avoid deforestation so more carbon dioxide can be stored in trees and oxygen produced.
- Reduce plastic because it is made with crude oil which is a finite resource and uses lots of energy to process into plastic so lots of greenhouse gases emitted.