

# Garden Baby Patronus

## 2023 Fight for Sustainable Earth





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# 1. Causes of global warming

1. Increased greenhouse gas emissions.
2. Deforestation.
3. Too much fertilizer.
4. Methane gas.
5. Solar activity.
6. Oil.
7. Burning coal.
8. Operate industrial equipment.

## 2. How climate change affects us

- **Climate change causes water shortages, food security and refugee issues.**
- **Exacerbating economic, social and increasing political tension.**
- **Triggering national wars between countries and endangering regional and global stability.**



## 氣候變遷：植物面臨挑戰

CO<sub>2</sub>  
CO<sub>2</sub>增加



紫外線增加氧化壓力



氣溫上升  
植物對重金屬吸收增加



有害生物干擾  
雜草風險增加



生物季節學改變  
影響植物授粉

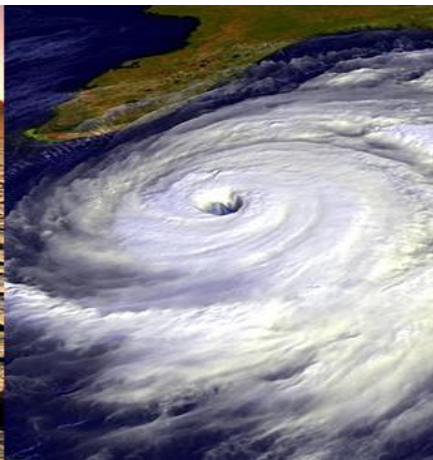


降雨量改變

台灣營養師Vivian

# 3. Impacts of climate change on our lives.

Issues such as climate change affect our ecology, species extinction and food crisis.





## 4.Events in Tainan area due to global warming in the past decade.

- Climate change causes Tainan Canal to flood on sunny days.



影片來源：youtube



水位將近20公分高。(圖 / TVBS)



海水淹進工寮。(圖 / TVBS)

## 5. Events that have occurred around the world due to climate change in the past 10 years.

The California wildfires in 2020 burned more than 3.15 million acres of land, equivalent to five Taipei areas. The fire lasted for 75 days.

Bushes and forests near Lake Hughes in California, USA, have been engulfed by fires, burning at least 10,000 acres of land and destroying several buildings.



## 5-2. Events that have occurred around the world due to climate change in the past 10 years.

Extreme climate spreads across the world, and environmental disasters intensify everywhere.

Events that have occurred around the world due to climate change in the past 10 years.



新奇世界 Amazing World



# 5-3. Things that happened around the world due to climate change.



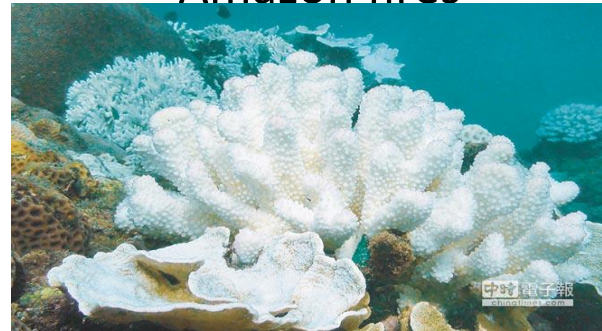
drought



Amazon fires



Sea-level rise



Coral bleaching in

## 6.Events that have occurred around the world due to global warming in the past decade.

Climate change impacts habitat! Polar bears may become extinct by the end of



TVBS NEWS

What if we stop stopping climate change?



大膽科學 - What If Chinese

# Conclusion

We must take care of the earth, otherwise temperatures will rise, rainfall patterns will change, the natural ecological environment will change, and species will become extinct.

# Thanks for listening

Thank you  
for  
listening!

