

PLANET IN DER

Vocabulary Global The increase in the earths temperature caused warming by an increase in the burning of fossil fuels which release greenhouse gases contributing to the greenhouse effect When greenhouse gases (carbon dioxide, Greenhouse effect methane, nitrous oxide, water vapour, fluroated carbons) trap the sun's heat to warm the earth. Climate A large, long term change in the average change weather patterns e.g. temperature or rainfall at a regional, national and global level. Pollution The introduction of harmful substances into the environment Substances formed from the buried remains of Fossil fuels dead plants and animals (fossils) over millions of years. ··· I Energy that comes from sources that cannot be Nonreplaced as quicky as they are being used e.g. renewable fossil fuels - coal, oil, natural gas, nuclear energy Renewable A natural source of energy that will not run out energy e.g. water, wind, solar, A large deep hole where rubbish that cannot be Landfill recycled is kept. Converting waste materials into new materials Recycle and objects

















Significant people and organisations

David Attenborough



Biologist natural historian and environmentalist. Broadcaster documenting life on earth.



A youth-led charity educating about climate change and plastic pollution.

Greta Thunberg

Environmental activist urging leaders to slow climate change by reducing the carbon footprint.



Dr Sylvia Earle

Marine biologist fighting to protect oceans and animals from pollution and destruction.

COP



A UN organisation of countries that agreed to limit global warming to below 2°c.





Activists that want leaders to reduce climate change, habitat loss and carbon emissions

Climate Change

- Early seasons affect wildlife migration and hibernation
- Extreme weather e.g. storms, heatwaves, flooding
- Poor crop growth and less clean water

Landfill

- Causes pollution and release greenhouse gases
- Chemicals and toxins can contaminate the air, soil, rivers and lakes etc.
- Animals and birds feed there and ingest harmful materials

Global warming

- Increase in earth's temperature
- Melting of the ice caps and glaciers
- Sea and ocean levels are rising

Initiatives

Reduce greenhouse gases Use renewable energy e.g. solar, wind, hydro

- Slow rate of global warming
- Zero emission transport e.g. electric vehicles or walk!
- · Plant more trees Insulate buildings - save heat!
- · Use less energy e.g. electricity
- Reduce plastic use

Non-renewable Energy

- Fossil fuels oil, coal, gas
- Release greenhouse houses - global warming
- They will run out Oil spills have damaged ocean life

Pollution

- Causes smog
- Leads to global warming
- Water pollution pesticides and fertilisers poison water sources causing disease Health effects - breathing difficulties, cancer

Plastic Pollution

- ~400 years to degrade Animals get caught and die
- Mistaken for food
 - Absorbs CO2 into the ocean affecting how fish breathe and shell growth
 - Microplastics get eaten and enter the food chain,