Carbon Footprint

Carbon footprint is the total amount of carbon dioxide and other greenhouse gases emitted over the full life cycle of a product service or event.

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Measuring Greenhouse Gas Emissions

1. **Carbon footprints as a measurement tool:** Carbon footprints can be used to measure emissions of greenhouse gases. They specifically relate to the emissions from a particular product, service or event.
2. **Carbon footprints consider various factors:** When a carbon footprint is calculated, **various factors** are taken into account. Factors such as production of resources, their usage and their disposal all need to be considered.

Reducing Carbon Footprints

1. **Carbon footprints can be reduced:** In order to **reduce** a carbon footprint, the emissions of greenhouse gases need to be reduced. For example, the amount of greenhouses gases used for transportation should be limited.
2. **Renewable energy sources can be used:** By using renewable energy sources, we can **reduce emissions** of greenhouse gases such as carbon dioxide and methane. This can reduce the carbon footprint.
3. **Increasing energy efficiency can reduce emissions:** If we can increase the energy **efficiency** of processes, we can reduce the amount of waste we produce. This in turn leads to less waste decomposition and therefore less emissions of methane.

Methods of reducing Carbon Foot prints

1. More recycling/ re-using as less waste is sent to landfill so **less methane** is made.
2. **Walking to school instead of driving:** Less carbon dioxide is given off by burning petrol.
3. **Use buses instead of cars:** More people are carried on one bus, so less carbon dioxide is made by taking more people on the same journey in one vehicle.
4. **Take showers instead of baths:** Less energy is used so less fuel is burn and less carbon dioxide made.
5. **Eat less meat:** Less animals are farmed and less methane is made.
6. **Reducing carbon footprints is difficult:** Although the measures described above can reduce carbon footprints, they are **difficult** to implement. There are a limited number of renewable energy sources, and many measures need **government backing** to implement.

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