

Date:

Name:

Class:

**Task 1** - Look at the images below and identify the **small changes** you and your families could make to **lower your carbon emissions**.

The first one has been done as an example.

Electricity	Car use	Waste	Food	Travel
Choose low energy lightbulbs	Carshare	Reuse where possible	Consider eating less red meat	Don't take unnecessary flights
Turn off lights and appliances when not in use	Use public transport	Reduce packaging	Follow a plant-based diet	Consider train travel
Choose a clean energy provider	Go by bike	Don't buy so much	Don't waste food	Use skype or facetime instead of meeting in person
	Walk	Recycle	Think about 'food miles'	
	Move to electric vehicles	Reduce waste		
		Repair		



**Task 2** – Using the words and numbers in the list below, fill in the gaps in the following paragraph

**30 ~ solar panels ~ 50 metres ~ Westmill ~ 8 ~ 30 metres ~ acres ~ Denmark ~ south ~ wind turbines ~ cranes ~ rows ~ blades**



In 2008, 5 **wind turbines** were constructed at the **Westmill** site. The turbines were made in **Denmark** and delivered to the site in sections.

It took **8** days and 2 **cranes** to install the turbines. Each turbine tower is approximately **50 metres** tall. Each one has 3 **blades** and each of these is **30 metres** long.

There are over 20,000 **solar panels** at Westmill. The panels are mounted in 32 **rows** and sit on a site of 30 **acres**. Each solar panel is mounted at an angle of **30** degrees faces **south**.

# Westmill

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**Task 3** – In the space below, design a poster advertising an open day at Westmill, you might want to:

- Think about the age of the people that you want to attract
- Create a slogan
- Include the wind turbines and solar panels