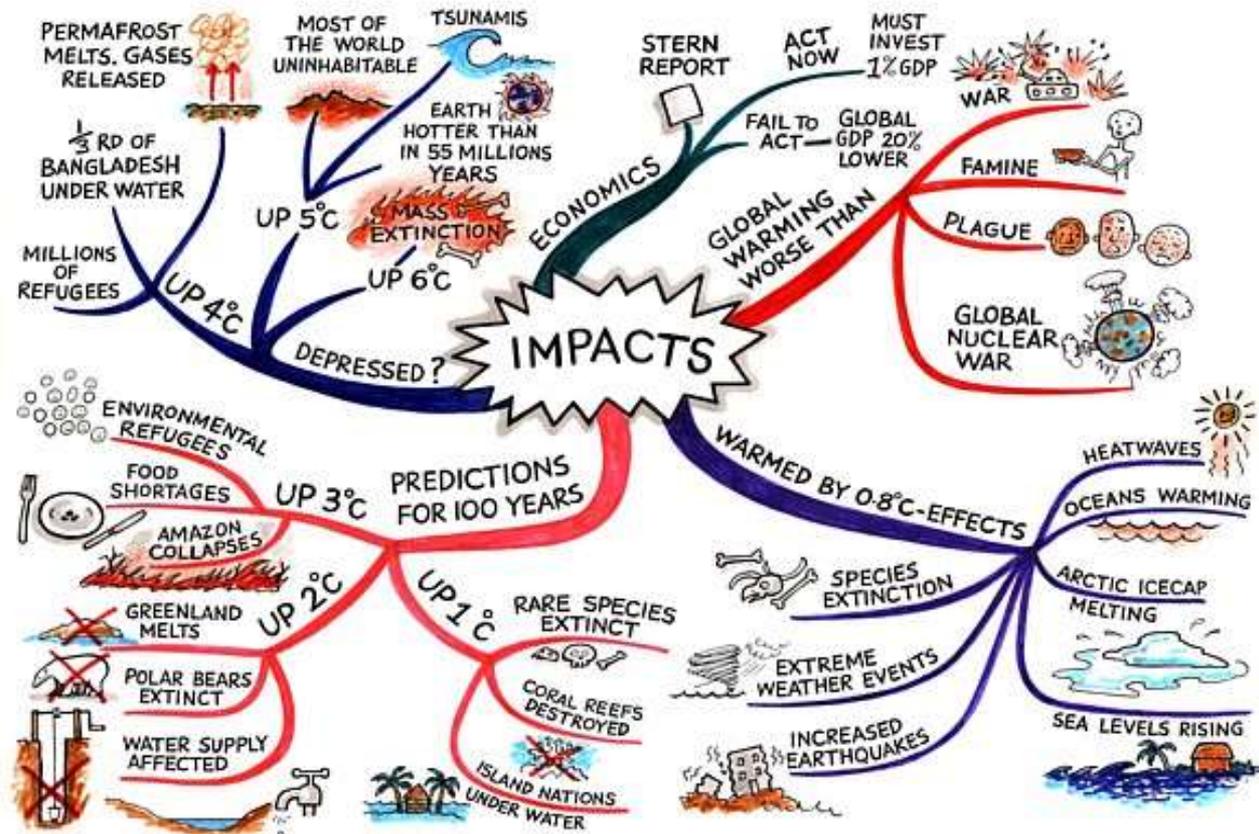


Preventing and Adapting to Climate Change

- **WALT: State some measures that can be taken to lower the effects of climate change**

Starter: Write down as many methods of preventing/dealing with climate change as you can remember from the case studies you looked at last lesson



Take out the sheet where you calculated your carbon footprint for prep.

- How much CO₂ did the sheet say that the planet can cope with?
- How much CO₂ do you produce each year?

Task

Most CO₂ is released from burning oil, coal and gas to give us electricity and petrol/diesel

Write down in your books, a list of the number of times and for how long you use an electrical appliance or a vehicle per day

Now imagine you had to reduce your use of these things. What could you use instead?

We've learnt that this is a VERY serious issue. So what now?

2 ways we can tackle the problem:

1. Reduce CO2 emissions to reduce temperature rise
2. Adapt to the changes and live with them (not a good option)

Temperatures will rise by at least 2 degrees whatever we do...it is too late to stop this

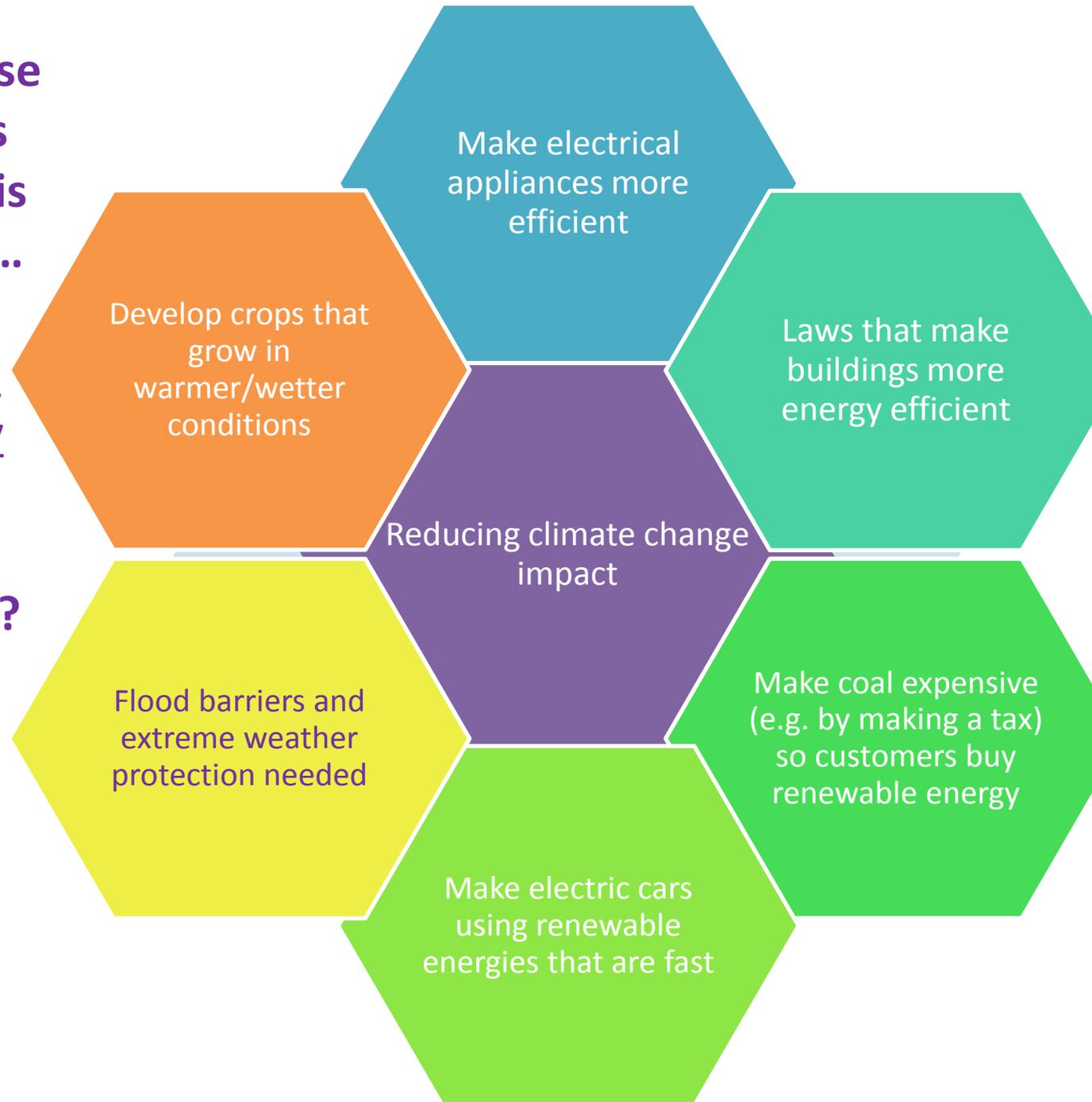
Temperatures will rise by at least 2 degrees whatever we do...it is too late to stop this...

The aim is to reduce carbon emissions by half by 2050.

How can we do that?

Which of the above measures are:

- a) Adapting to climate change
- b) Reducing CO2 emissions?



Continue working on your Impacts
'mind map'

Your Project – 2 lessons and a prep.

- Project must be on A4 paper, made into a booklet – either hand written or printed
- You must complete the following questions and tasks in three chapters

1. CHAPTER 1: What is climate change? Why is it a problem?

Answer this question and include at least one graph and at least one reference to some figures (e.g. about levels of CO₂ and temperature or sea level rise)

2. CHAPTER 2: Case Study

1. Choose a case study of a community or a country that is already having problems with climate change (we've already looked at cases from Kenya, Peru and possibly Bangladesh). Try and choose another one. Describe:
 - a) Where is the community and what kind of climate and landscape is it?
 - b) What are the problems that the community is experiencing due to climate change?
 - c) What future problems might they have?
 - d) Are they taking any measures to reduce the impact and if so, what are they doing?

3. CHAPTER 3: Reducing Climate Change

Write a paragraph aimed at educating your friends and family about how they can reduce CO₂ emissions. Find out information on making your home and lifestyle more energy-efficient (in other words, how to use less coal, gas and oil in your home/life) and include this in the advice you will give.