Well, Hello Hydrogen

Hydrogen is a super-cool gas which is used to power space shuttles! If you burn it in an engine it also produces only water. So, how great would it be if you could use it to fuel your car?



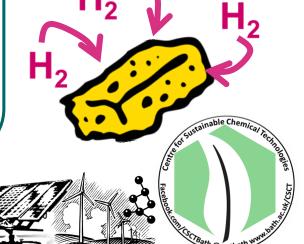


- That is why at
 Bath we are
 researching
 materials which
 absorb hydrogen
 like a sponge.
- hydrogen takes up a lot of space.

 You would need 600 party

The problem is...as a gas

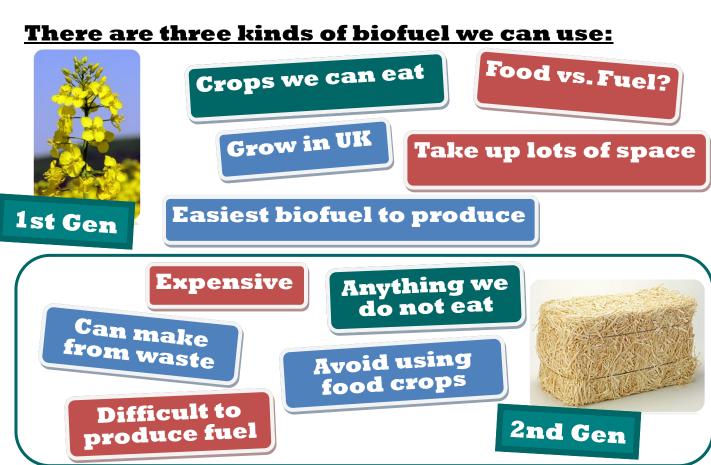
 You would need 600 party balloons of hydrogen to power your car from Cheltenham to London!



Brush Up on Biofuels

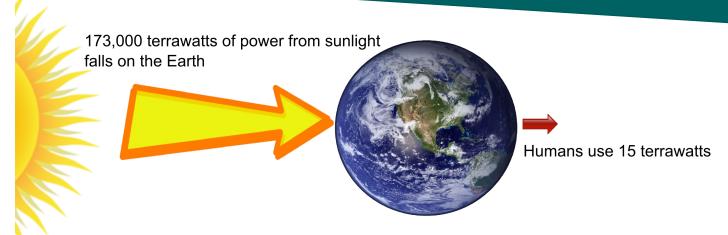


Biofuels are renewable and carbon neutral, making them a great alternative to petrol.





See the Bright Side with Solar



The Sun sits happily in sky shining enough energy to last the human race 32 years, in one day!

But...how do we capture it?



- We capture the Sun's energy by using solar panels.
- They can convert up to 20% of the light they receive into electricity.
- But...they are expensive and use lots of elements which are in short supply.

What happens at night when there is no Sun?

- No sunlight = no electricity.
- So we need to store it when the Sun's out!



At Bath, we do lots of research on solar:

Better batteries to store solar

