**Eye spy** Aged 3-6: answers

**Tractor tyres are sometimes filled with water. Do you know why?**

This makes the weight of the tyres heavier and less likely to slip as their centre of gravity is lower.

**Can you think of some ways to help us stop making as much rubbish at home and school?**

Using less, reusing, and trying to find items made of natural ingredients will all help. Recycling all we can is also a great way to help reduce landfill.

Kids Against Plastic have some fun ways to help: [watch video](https://www.kidsagainstplastic.co.uk/do/plasticcleverschools/)

**How many electric buses do you think there are in London?**

400! Learn more about electric buses with this fun video from Gecko: [watch video](https://www.youtube.com/watch?v=0ThzMNFOJLQ)

**Can you think of 3 things that run on batteries?**

Any electronics in the home that aren’t plugged into a socket. Mobile phones, iPads, the TV remote, battery powered helicopters and gadgets along with lots of tools in the shed, toys, baby monitors and doorbells.

Find out how batteries work in this [fun video](https://www.youtube.com/watch?v=RWWLfUIiMAw)

**What do we use energy for?**

Washing our clothes, keeping our home and school warm, light, having a shower, turning on the computer and printers or watching television and cooking. Also recharging batteries!

Find out more about types of energy in this [video](https://www.youtube.com/watch?v=wMOpMka6PJI)

**Why do you think wind farms are sometimes built at sea?**

There is more wind because it is open with less obstructions and the wind is more constant. Learn about wind farms with Caitie: [watch video](https://www.youtube.com/watch?v=U5_cZ3IRUkU)

**What is steam and how is it made?**

Water is made up of very small molecules that move around fluidly. When water is heated to 100 degrees Celsius - water's boiling point - these tiny molecules move faster and become lighter than air. That makes them spread out into water vapour gas or 'steam': like clouds of very hot water.

Learn about steam trains with Gecko: [watch video](https://www.youtube.com/watch?v=Ve2GrQrnVGk)

**How many different speed signs can you spot on your journey?**

You can download some signs to look out for here: [Twinkl free activity sheet](https://www.twinkl.co.uk/resource/t-t-20581-small-world-road-signs-and-traffic-lights)

**What are some of the widest things you can think of?**

**Earth:** 12,742 kilometres

**UK:** at its widest is around 500 kilometres

**747 aeroplanes:** 6.5 metres

**UK Lorry:** up to 2.9 metres

**Fish owl:** 2 metre wingspan