End Plastic Pollution

Our Planet

We only have one planet and so we all need to take responsibility for it. This means looking after the earth and everything in it and making sure we don't damage it in anyway. Everyone can play their part in making sure the earth is safe, clean and looked after and this also includes caring for the plants, animals, birds, sea creatures and each other. Over time, one major problem that has occurred when people haven't been looking after the earth is known as plastic pollution. Even though this has been caused by us, luckily, there are things we can do to help.
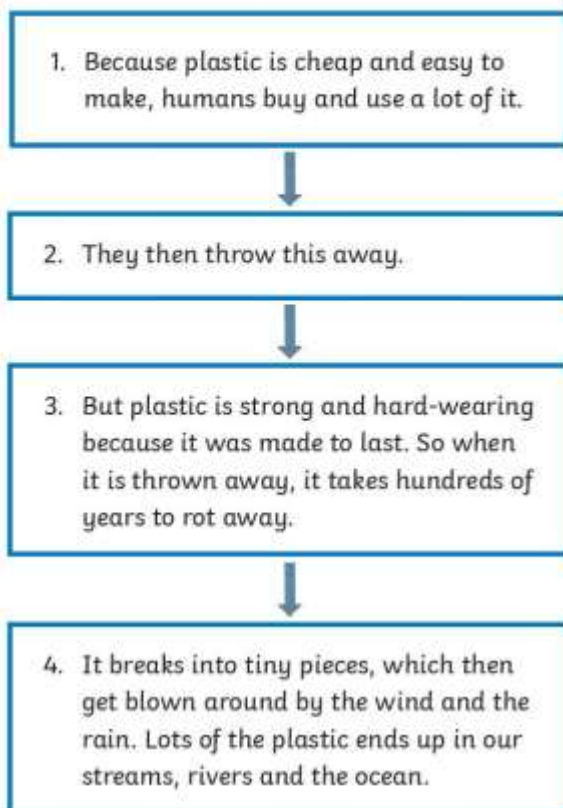
What Is Plastic Pollution?

The biggest problem with unwanted plastic is the damage it causes to the environment.

Did You Know...?

- There are 6.3 billion tonnes of plastic waste on Earth.

- 80% of the rubbish floating in the oceans is plastic.

- Plastic bags are killing over 100,000 marine animals and birds every year.

The amount of plastic on the planet is increasing more and more rapidly, meaning it is threatening our planet through:

- poisoning and injuring sea life;
- littering beaches and landscapes;
- clogging landfills (or rubbish dumps);
- making humans (and other animals) ill.

1. Because plastic is cheap and easy to make, humans buy and use a lot of it.

2. They then throw this away.

3. But plastic is strong and hard-wearing because it was made to last. So when it is thrown away, it takes hundreds of years to rot away.

4. It breaks into tiny pieces, which then get blown around by the wind and the rain. Lots of the plastic ends up in our streams, rivers and the ocean.

What Can You Do to 'End Plastic Pollution'?

The Three Rs: First Reduce, Then Reuse, Then Recycle

There are lots of things we can all do to help end plastic pollution.

- **Reduce:** Avoid single-use plastics, such as straws and takeaway cups. Choose alternatives, such as bamboo. Talk to your family, head teacher or school council about how your school and family can reduce their plastic use.

- **Reuse:** Instead of buying new ones, refill and reuse water bottles and lunch bags. Use fabric bags, which are strong and long-lasting, for carrying shopping rather than single-use plastic bags.

- **Recycle:** Check for the recycling symbol before you buy plastic. Then make sure that you always recycle plastic when you can, instead of throwing it away with the normal litter.

Questions

1. Fill in the missing words in the sentence below. _____ has a responsibility to look after the world. We need to care for plants, animals, birds, _____ and each other. Plastic pollution has been caused by _____ but luckily we _____ do something about it.

2. Draw lines to match the questions and answers.

How many tonnes of plastic waste are there on earth?	80%
How many marine animals and birds are killed by plastic bags each year?	6.3 billion
How much of the rubbish floating in the oceans is plastic?	over 100,000

3. Which facts are true about plastic? Tick two.

   ○ It is strong and long-lasting.
   ○ It takes ten years to rot away.
   ○ It is cheap and easy to make.
   ○ The amount is reducing rapidly.

4. How can you reduce the amount of plastic you use? Tick one.

   ○ avoid single-use plastic
   ○ choose alternatives to plastic
   ○ talk to family and school council
   ○ all of the above

5. How are animals harmed by plastic?

   _____

6. Why do humans use a lot of plastic?

   _____

7. Why should you use fabric shopping bags?

The Magic Tree

Day One – Question Time

1. What do you think has caused the destruction all around the tree?
2. Why has this one tree survived?
3. If you walked through the portal, what would happen to you? What would you see
4. If this portal to another world, would you go through it or stay on Earth, even if you had no idea what could happen?
5. Is it good to take risks? Are some risks riskier than others?

Day Four

Story starter!

The tree was all that remained. A solitary figure, it stood there in defiance of the destruction surrounding it. The bark had begun to peel away, one piece at a time, joining the wreckage of other trees that lay scattered across the scorched earth.
This tree was different to the other trees. It contained magic. It contained hope...

Can you continue the story? What happens next? What is so different about this tree? What has happened to the other trees around it?
Think about powerful language, description, figurative language (alliteration, similes, onomatopoeia and metaphors), prepositions and varied sentence starts.

An Amazing Fact a Day

Major Organs of The Human Body

Amazing Fact
An ostrich's brain is smaller than its eyeballs.

Challenge 1
The human body has a large number of organs that all work together to keep us alive.

Read the descriptions and then draw lines to match them up to the organ name.

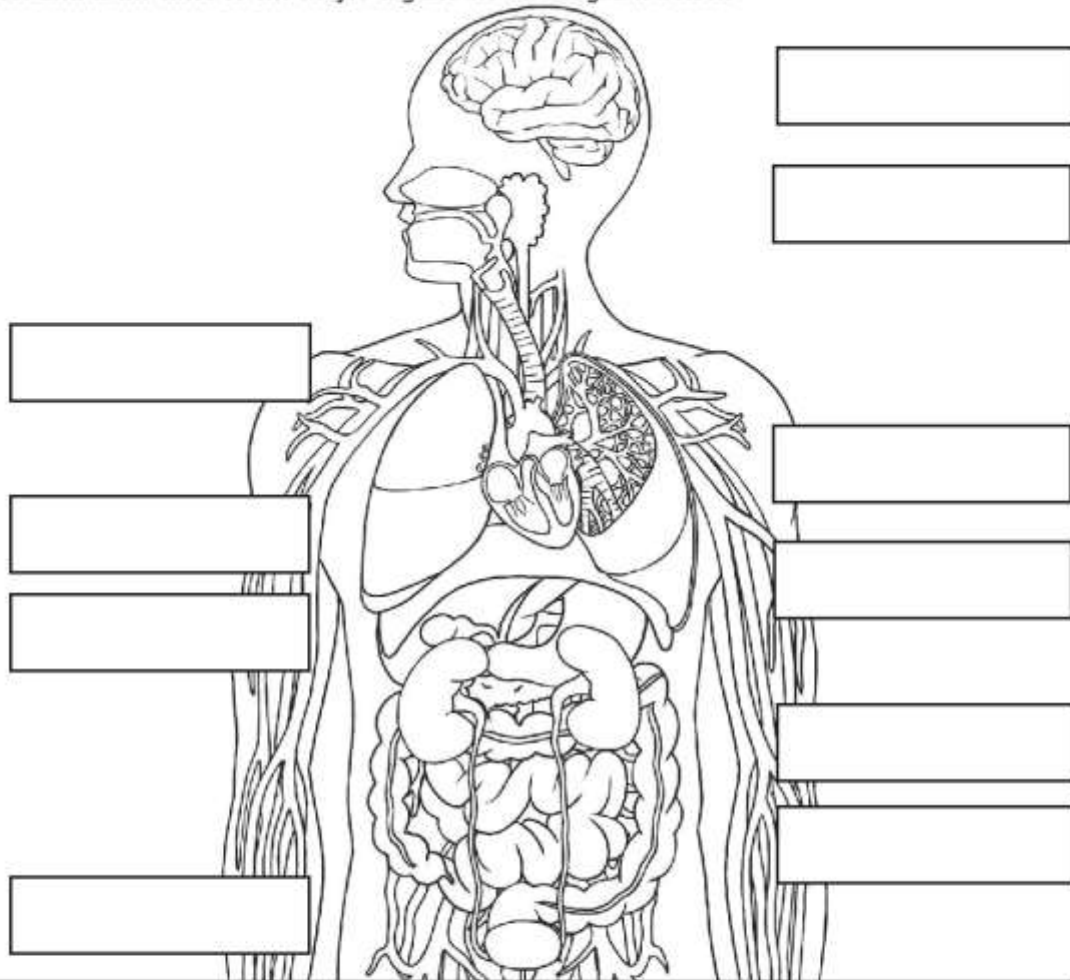|	
skin	The most important organ in our body. It is here where we think, feel emotions, make decisions and control the rest of the body. This organ is protected by a thick skull and fluid.
kidneys	Major organs that bring much needed oxygen into our blood stream.
stomach	Performs all sorts of vital functions in our bodies from helping us to break down food in digestion to ridding our bodies of toxins.
heart	Holds our food when we first eat it and secretes enzymes that help to break down our food before it goes to the small intestine.
liver	Help to keep our bodies clean from toxins and other waste products. Without these, our blood would quickly become poisoned.
brain	Considered by many to be the centre of life. This organ helps to keep the rest of the organs and body healthy as well.
lungs	A major organ that covers our entire body. It also provides feedback to the brain through the sense of touch.

An Amazing Fact a Day

Challenge 2

Label and draw lines to the major organs on the diagram below.

You could also try to find out:

- which animal has the biggest brain;
- how big your brain is and how much it weighs;
- whether a creature with a small brain would always be less intelligent than a creature with a larger brain;
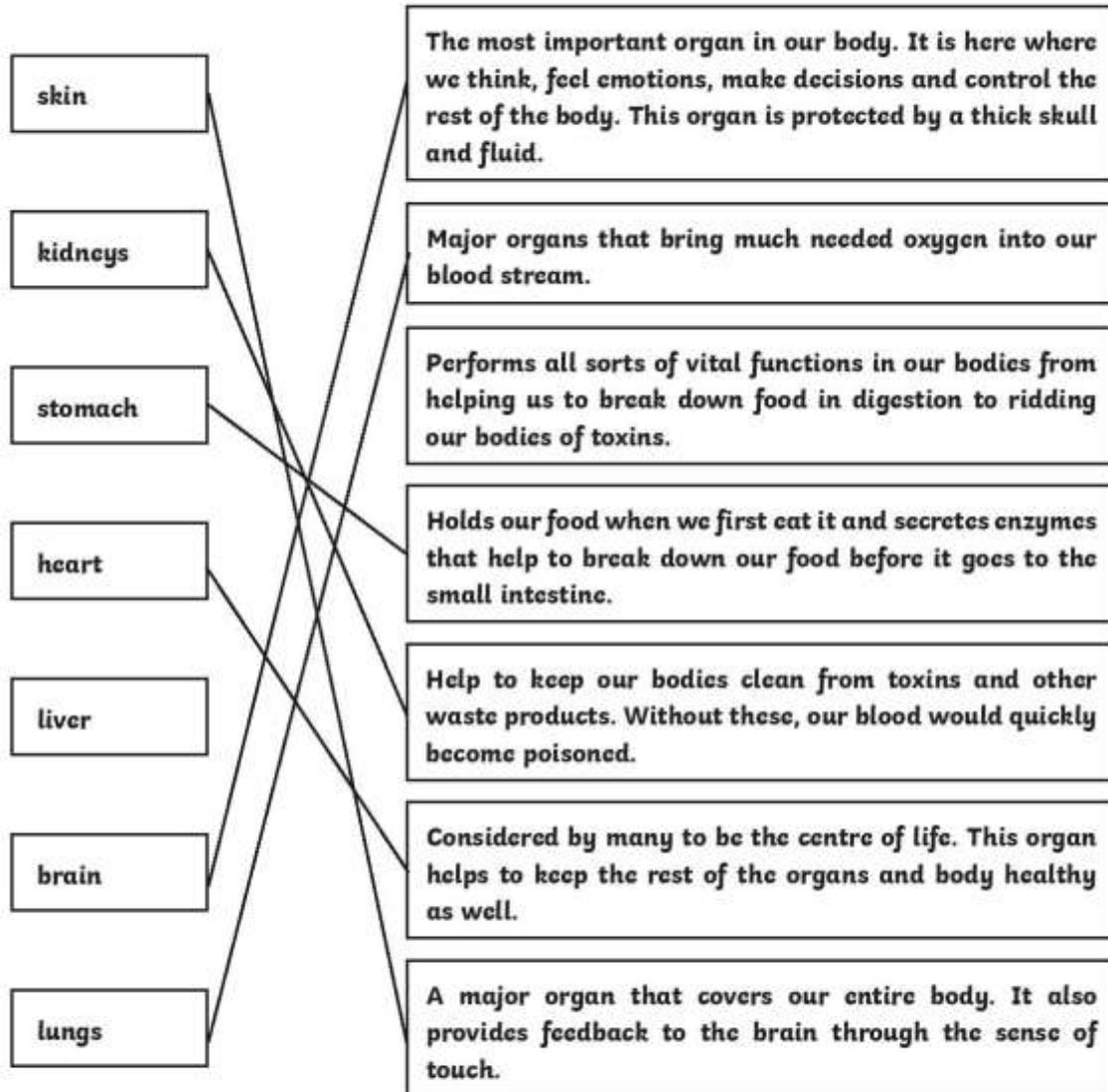- which animals are thought to be most intelligent.

Extension

Explore this resource using amazing augmented reality! Simply scan this code with any device running iOS 12 or later. For further information, please visit our FAQ page at **www.twinkl.co.uk/help/twinkl-apps**.
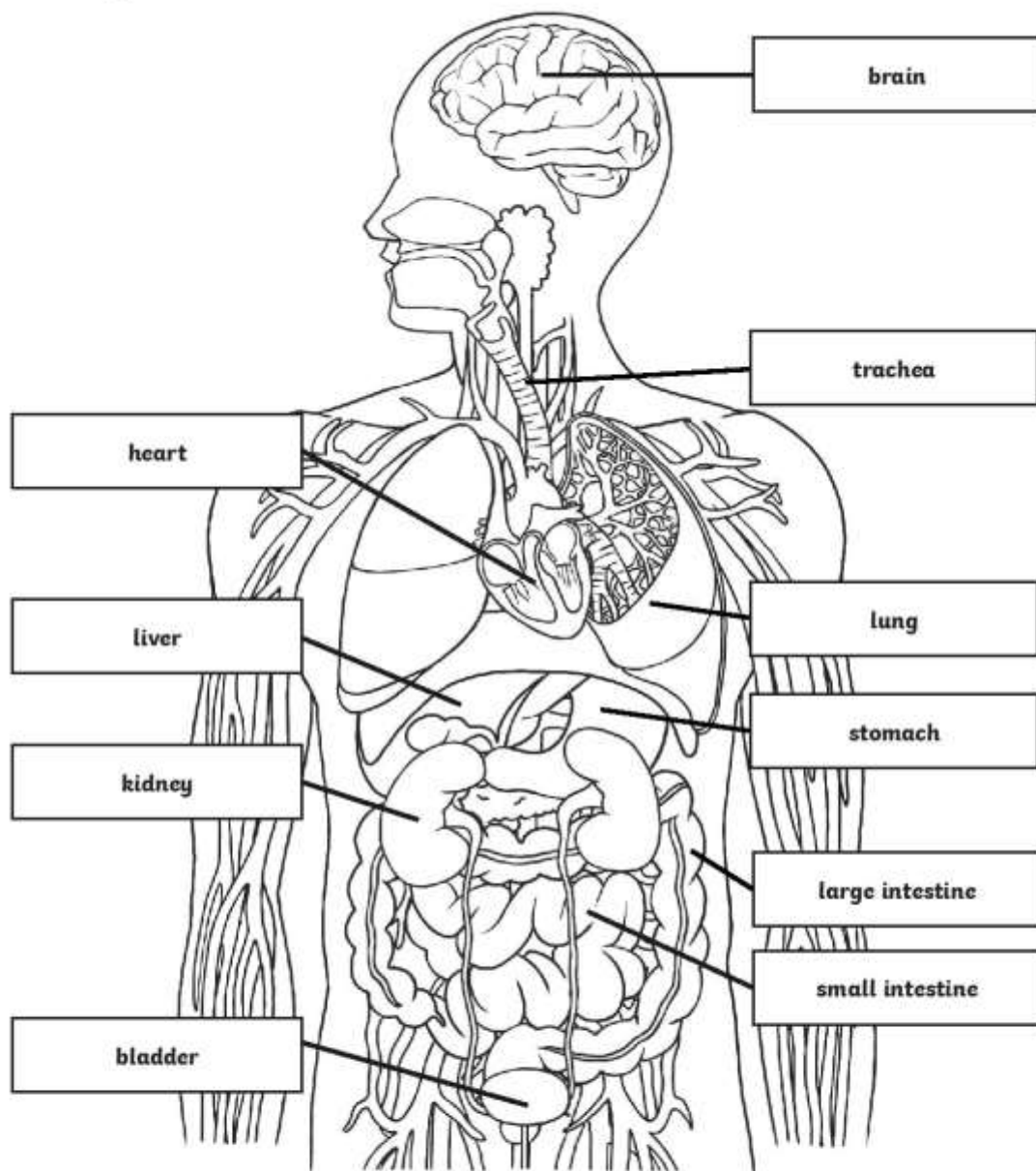
Major Organs of The Human Body **Answers**

Challenge 1

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An Amazing Fact a Day

Challenge 2

brain

trachea

heart

lung

liver

stomach

kidney

large intestine

small intestine

bladder

This bracing moorland village has attracted visitors since the 19th century, but numbers soared following its appearance (as 'Aidensfield') in the television series 'Heartbeat' and its role in the 'Harry Potter' films. It's fun to arrive on the trains of the North Yorkshire Moors Railway, after which walkers can enjoy lots of local strolls and hikes.

Things to see and do

The North Yorkshire Moors Railway has a heritage station in Goathland, which may be familiar as 'Hogsmeade' station from the early Harry Potter films.

Wade's Causeway, also known as the 'Roman road', runs across nearby Wheeldale Moor. Long considered Roman in date, this is now less certain – it may date from early medieval times or may even have been built by a certain Wade the Giant . . .

Walks

The 'Rail Trail' from Goathland to Grosmont combines a signposted three-and-a-half mile walk down the old railway line with a ride back up on the North Yorkshire Moors Railway. There's a guidebook available in local shops.

The 70ft (21m) high Mallyan Spout waterfall can be reached by a footpath close to the Mallayan Spout Hotel. Download the route here, or buy the booklet 'Walks around Goathland', available from local shops, which includes the waterfall route and four other local walks.

Follow the Centenary Walk to reflect upon the effect that wars and conflict have had on a small settlement such as Goathland. This 2 mile gentle walk starts on the disused railway line (next to Goathland Hotel), crosses fields to the church and then returns to the village centre by road passing the war memorial. An information panel is located at the start of the walk detailing the route.

<u>Eating and drinking</u>

There are several cafés and a pub in Goathland, and a public bar and restaurant at the Mallyan Spout Hotel. Walk down Rail Trail to the hamlet of Beck Hole and you can visit the riverside Birch Hall Inn. North Yorkshire's smallest and quaintest pub? You decide.

Correct the spelling

Goathland Artwork - sheet

Times Tables worksheet

8 x 7=_____	7 x 6=_____	4 x 12=_____
5 x 3=_____	9 x 10=_____	4 x 4=_____
2 x 7=_____	3 x 6=_____	10 x 5=_____
8 x 6=_____	3 x 8=_____	2 x 2=_____
10 x 4=_____	12 x 7=_____	7 x 3=_____
7 x 4=_____	6 x 7=_____	7 x 11=_____
12 x 10=_____	10 x 3=_____	2 x 11=_____
9 x 6=_____	3 x 4=_____	12 x 9=_____
7 x 8=_____	11 x 3=_____	1 x 9=_____
6 x 4=_____	10 x 8=_____	11 x 4=_____
7 x 7=_____	9 x 8=_____	3 x 11=_____
12 x 8=_____	9 x 12=_____	8 x 2=_____
5 x 12=_____	3 x 2=_____	5 x 9=_____
2 x 6=_____	3 x 5=_____	8 x 12=_____
10 x 11=_____	12 x 5=_____	11 x 7=_____
2 x 5=_____	3 x 9=_____	5 x 4=_____
11 x 2=_____	7 x 2=_____	4 x 11=_____
1 x 4=_____	11 x 6=_____	11 x 8=_____
12 x 3=_____	12 x 12=_____	1 x 10=_____
10 x 6=_____	9 x 7=_____	4 x 10=_____
9 x 3=_____	5 x 6=_____	
6 x 8=_____	11 x 10=_____	Score:
10 x 7=_____	8 x 5=_____	Time:
1 x 8=_____	12 x 2=_____	
10 x 12=_____	3 x 12=_____	
5 x 10=_____	2 x 4=_____	
6 x 3=_____	7 x 9=_____	
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