Science Choice #1

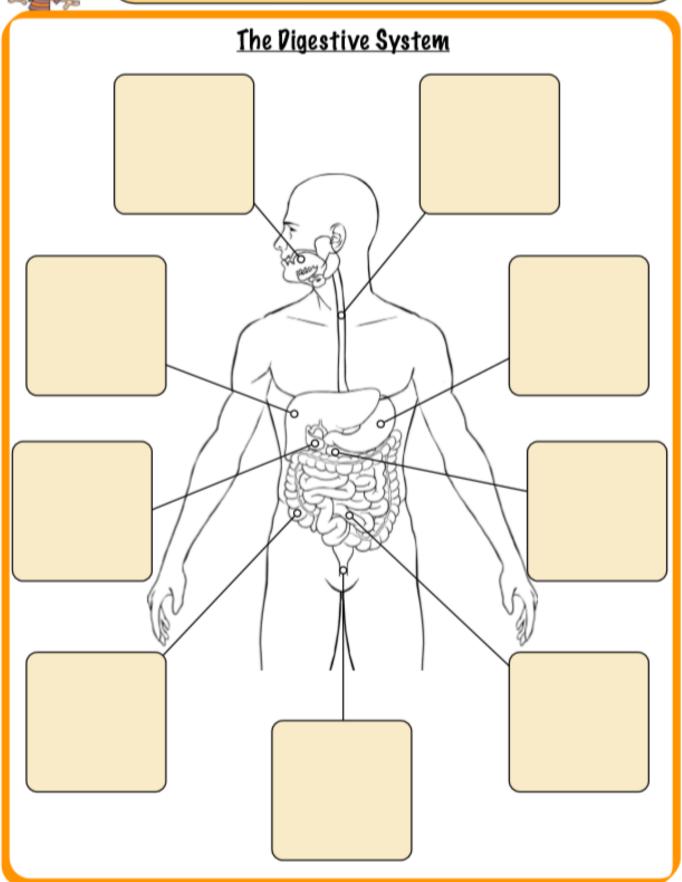
Please choose Challenge 1, 2 or 3.

Can I describe the functions of the basic parts of the digestive system?

Challenge I



Cut out the Label Cards and stick each one in the correct box to show how your digestive system works.



Label Cards

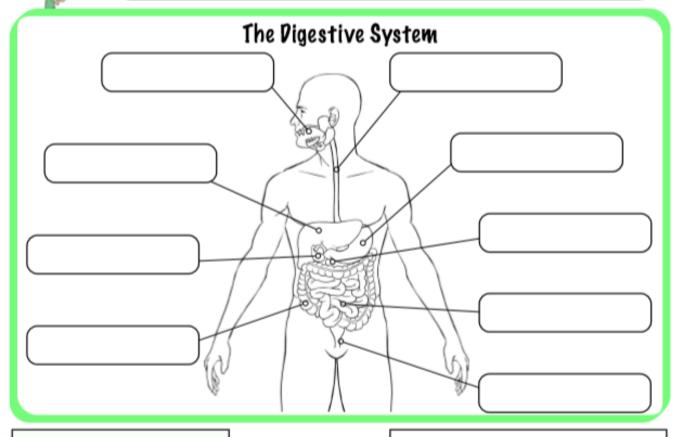
Eating and Digestion

The large intestine removes water from the food that is left to make solids. Bacteria and yeast help absorb any remaining nutrients.	
The liver produces bile to break down fat. It also acts as a filter to remove toxins and other harmful substances.	The pancreas creates enzymes which help digest proteins, carbohydrates and fats.
The gallbladder stores bile which passes into the small intestine and helps to digest fats.	Muscles in your creates enzymes oesophagus (food pipe) transport food from the mouth to the stomach.
The small intestir absorbs nutrient from the liquid fo and passes it int the blood strear	
Saliva in your mouth starts to break down food as it is being chewed. The saliva comes from glands.	The stomach is a stretchy sack that breaks food down with acid and by pummelling the food with its muscles.

Can I describe the functions of the basic parts of the digestive system?

Challenge 2 - You could draw this picture in your book and then label it and write the information too.

Label each part of the digestive system using the words below, then match each part to its correct function.



mouth
oesophagus
stomach
small intestine
liver
gallbladder
pancreas
large intestine
anus

Contracting muscles and acid break down the food, turning it mostly to liquid.

Any waste that your body doesn't need passes through here when you go to the toilet.

This absorbs nutrients from the liquid food and passes them into the blood stream.

This produces bile to break down fat. It also acts as a filter to remove toxins and other harmful substances.

The tongue, teeth and saliva start to break down the food.

This creates enzymes which help digest proteins, carbohydrates and fats,

Muscles push the food down to the stomach.

This stores bile which helps to digest fats.

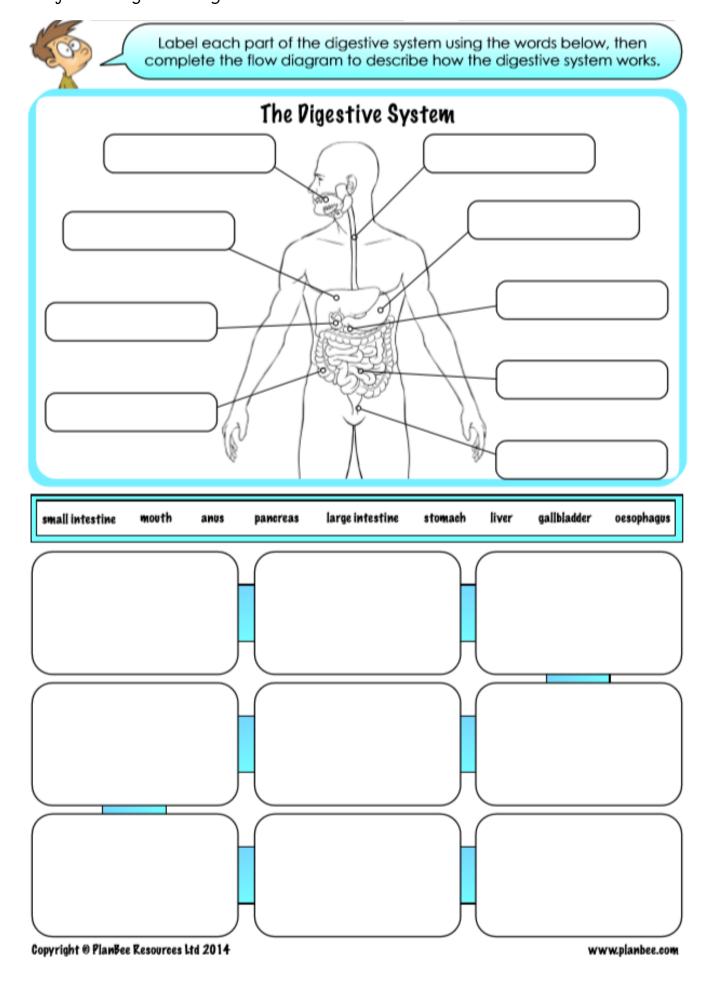
This removes water from the food that is left to make solids. Bacteria and yeast help absorb any remaining nutrients.

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Can I describe the functions of the basic parts of the digestive system?

Challenge 3 - You could draw this picture in your book and then write the flow diagram in your book.



Science Choice #2

Practical science experiment. It could get messy!

Our stomach produces acid to help break down food so it can be digested.

- What would happen if this acid wasn't in our stomachs?
- Would food break down if there was just water and the other drinks we drink in our stomachs?
- Does acid break down all foods in the same way?

How could you explore these questions?

One way you could test this would be to put an acid in a sealable bag with some food to see what happens. You could squish the bag as well to mimic the muscles that contract in our stomach to churn the food up.

You could compare this to food put in a sealable bag with water to see if there is a difference in how long it takes for the food to break down.

Liquids you could test:

- Vinegar
- Lemon Juice
 - Cola
 - Water
 - Squash

Foods you could test:

- Crackers
- Bananas
- Bread
- Apples
- Crisps

How can we find out how acid affects the food in our stomachs?

Choose a question you want to investigate, then plan and carry out your investigation. Remember to make sure it is a fair test!

My Stomach Investigation
What question will you be investigating?
What equipment will you need?
Describe how you will carry out your investigation:
Navoralli varia anales a un libia a faria tanto
How will you make sure it is a fair test?
National also was a security of the second security of the second
What do you predict your results will show?
Paradter.
Results:
Conclusion: