

Y6 Transport Nutrients Water

KS2 Y6 Science · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

How do nutrients from a sandwich reach the muscles in your legs?

Step 1 · Digestion

The sandwich is broken down into tiny nutrients in the stomach and small intestine

Step 2 · Absorption

Nutrients pass through the wall of the small intestine into the blood

Step 3 · Transport

The heart pumps the blood through arteries to the legs

Step 4 · Delivery

Nutrients pass out of capillaries into the leg muscles

Answer: Digested, absorbed into the blood in the small intestine, pumped by the heart, and delivered through capillaries.

Check: Name the digestive system AND the circulatory system. They work together.

2. Now try one with the steps

Why is the inside of the small intestine covered in millions of tiny folds?

Step 1 · What happens there?

Step 2 · What do the folds do?

Step 3 · What lies just under the surface?

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. Where do most nutrients pass into the blood?

2. Which organ pumps the blood that carries nutrients?

3. Which organs clean the blood and make urine?

4. Where is urine stored?

5. Name the liquid part of blood that carries nutrients and water.

6. Give TWO ways the body loses water.

7. About how many drinks a day are recommended for children in the UK?

8. Which blood vessels do nutrients pass through to get into the muscles?

9. Why does food need to be digested before it can enter the blood?

10. Name the two body systems that work together to get nutrients to the muscles.

11. Give one sign that someone is not drinking enough water.

12. Why do we need to drink more on a hot day?

13. What organ in a fish does the same job human's lungs?

14. Why does the small intestine have a huge inside surface?

4. Before you hand it in

Thinking food goes into the blood from the stomach.

Nutrients pass into the blood in the small intestine.

Thinking drinks go to a separate 'water tube' to the bladder.

Water travels in the blood; the kidneys remove the extra

Describing digestion but forgetting the blood.

Always finish with: absorbed into blood, pumped by heart, delivered through capillaries.

Thinking the kidneys digest food.

Digestion: stomach and intestines. Cleaning blood: kidneys.