

Digestive System

KS3 Biology · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Put these in the order food passes through them: stomach, mouth, large intestine, oesophagus, small intestine.

Step 1 · Start

Mouth → oesophagus (down the neck).

Step 2 · Middle

Stomach → small intestine.

Step 3 · End

Large intestine, then rectum and anus.

Answer: Mouth → oesophagus → stomach → small intestine → large intestine

Check: The liver and pancreas are part of the system, but food never passes through them.

2. Now try one with the steps

What is the difference between mechanical and chemical digestion?

Step 1 · Mechanical

Step 2 · Chemical

Answer:

3. Practice

Show your working. The marks tell you how much is expected.

1. What is digestion? [2]

2. Name the tube that carries food from the mouth to the stomach. [1]

3. In which organ are most digested food molecules absorbed into the blood? [1]

4. What is the main job of the large intestine? [1]
-
-
5. Why does the stomach contain hydrochloric acid? [1]
-
-
6. Which organ makes bile? [1]
-
-
7. What is peristalsis? [1]
-
-
8. What is the difference between egestion and excretion? [2]
-
-
9. Explain why chewing food helps digestion. [2]
-
-
10. Give THREE ways villi are adapted for absorption. [3]
-
-
-
11. The small intestine is about 6 m long. A person is 1.5 m tall. How many times longer than the person is the small intestine? [1]
-
-
12. Suggest why a person who has had part of their small intestine removed may lose weight. [2]
-
-
13. Explain why the stomach does not digest itself. [2]
-
-

14. Food takes 3 hours in the stomach and 5 hours in the small intestine. If you eat lunch at 12:30, at [1]
about what time does it start entering the large intestine?

4. Before you hand it in

"Food passes through the liver and pancreas."

They send juices (bile and enzymes) into the small intestine through ducts.

"The stomach is where food is absorbed."

Most absorption happens in the small intestine; water is absorbed in the large intestine.

"Faeces are excreted."

Removing faeces is EGESTION. Excretion removes waste made by the body's own chemical reactions.