

# Science US

Student Book



**Asmaa Mohie  
Noura Abdul Rahman  
Laura Hudson**

# Index

## Unit 1

### Living organisms (My body system)

- Lesson 1 → The digestive system
- Lesson 2 → The respiratory system
- Lesson 3 → The circulatory system
- Lesson 4 → The skeletal system

## Unit 2

### Classification of animals

- Lesson 1 → Vertebrates- Invertebrates
- Lesson 2 → More Classification: 1-Mammals 2- Reptiles 3- Amphibians 4- Birds 5- Fish

## Unit 3

### Food Chain

- Lesson 1 → Food Chain

## Unit 4

### Matter

- Lesson 1 → Matter
- Lesson 2 → Mass & volume
- Lesson 3 → Physical & Chemical changes

## Unit 5

### Energy

- Lesson 1 → Energy
- Lesson 2 → Electric Energy
- Lesson 3 → Electric Circuit

## Unit 5

### The Space

- Lesson 1 → Stars & planets
- Lesson 2 → Rotation of Earth

CH<sub>3</sub>

E=WC<sub>s</sub>

CH<sub>3</sub>

E=WC<sub>s</sub>

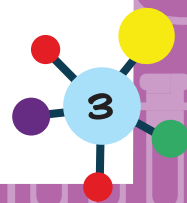
WC<sub>s</sub>



# & Science US



$$E=MC^2$$

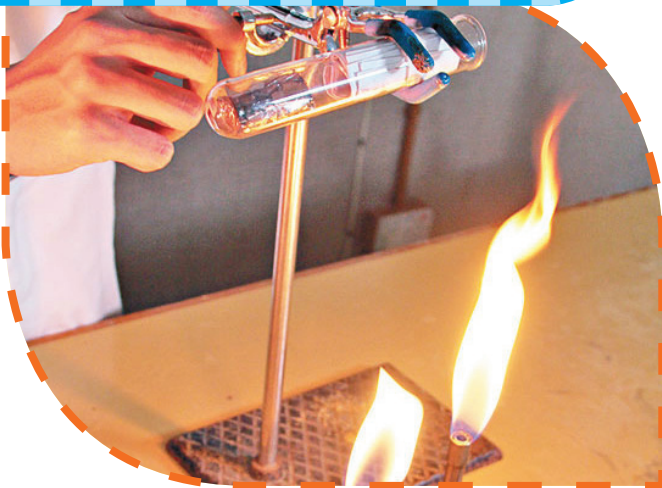


# Science Safety

## Dangers in science

You must take care when you do science experiments.

Some things are **hot**.



Some things are **heavy**.



Some things are **sharp**.



Some things are **poisonous**.



## How to stay safe in science lab?

- ▶ **Listen to your teacher. Only do what he or she says.**
- ▶ **Never put anything in your mouth.**
- ▶ **Be very careful.**
- ▶ **Tell your teacher at once if there is an accident.**
- ▶ **Wash your hands when you have finished.**



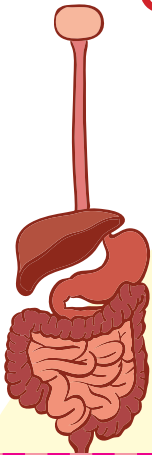
# Unit 1

## Lesson

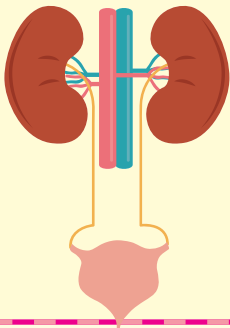
### 1

# My Body Systems

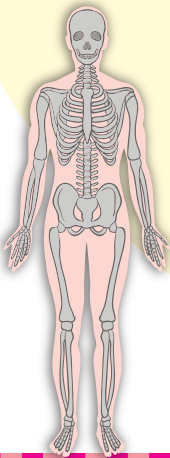
Our body consists of many systems as:



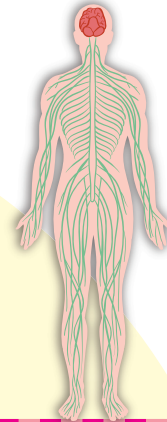
**Digestive system**



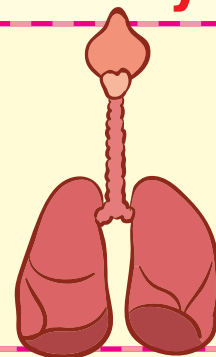
**Urinary system**



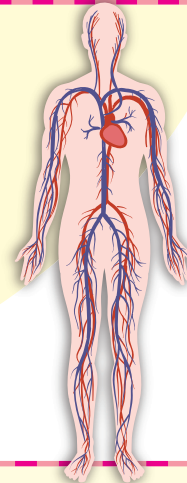
**Skeletal system**



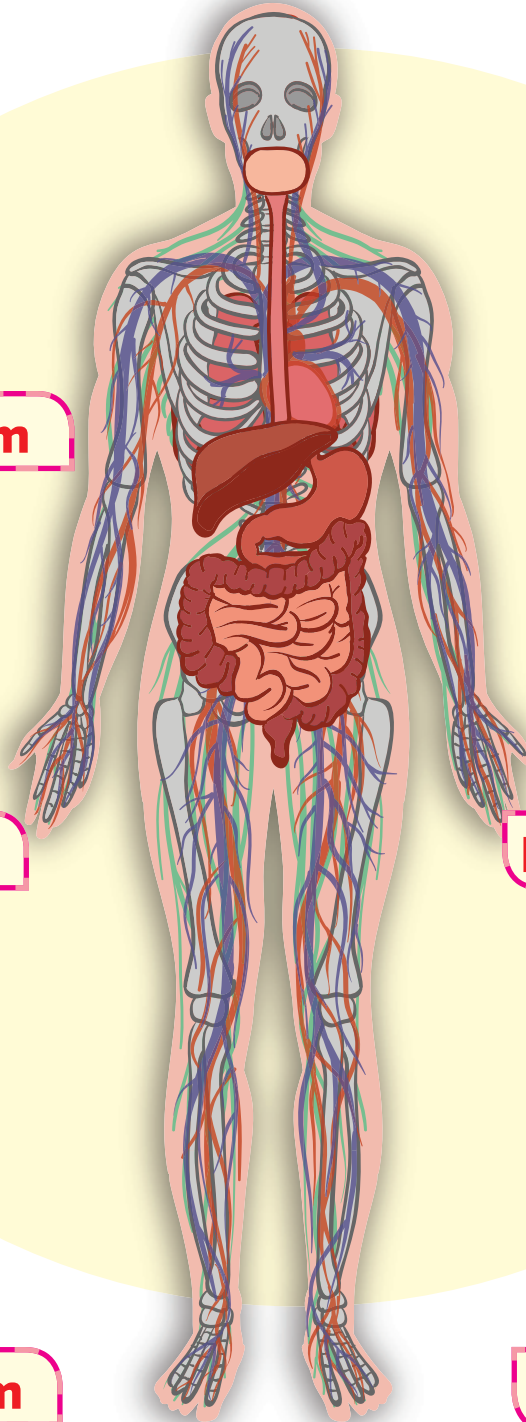
**Nervous system**



**Respiratory system**



**Circulatory system**



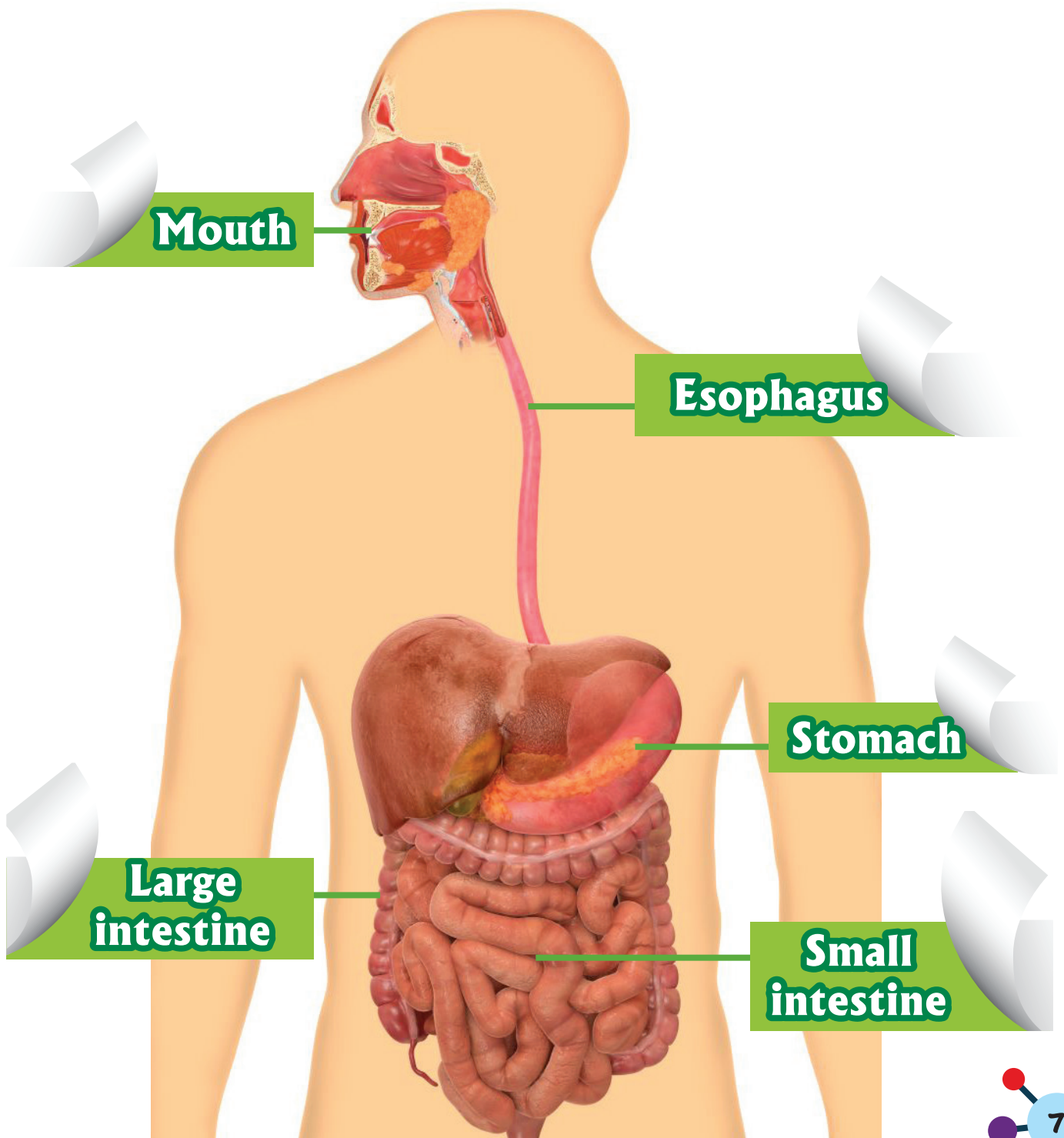
Each system consists of many organs as:  
heart, lung and stomach



# The Digestive System

► It is the system that breaks down the food into small pieces.

The digestive system consists of many organs:



# The digestive system

## 1 Mouth:

The first organ in the digestive system.

**It contains:**

- a. Teeth & molars: For cutting food.**
- b. Tongue: For tasting & mixing food.**



## 2 Food tube (Esophagus):

**A short tube that food can pass through it.**

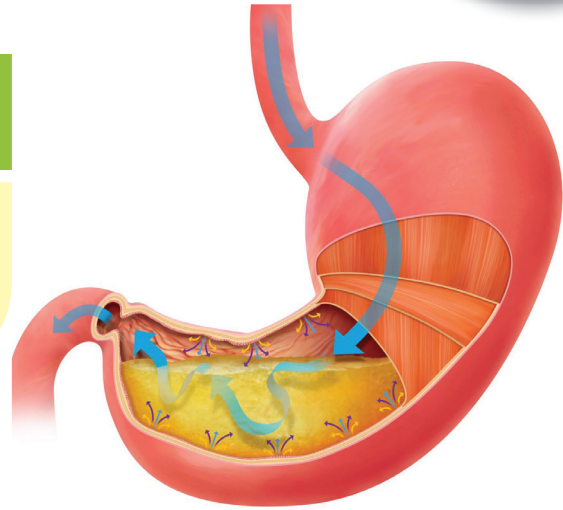




3

## Stomach:

A **sac** that stores & digests food.



4

## Small intestine:

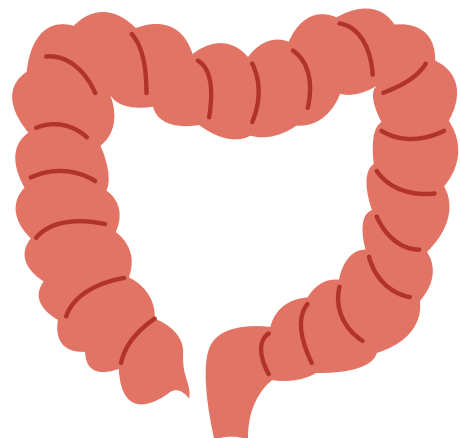
A **long tube** where the food is completely digested and transferred to the body.



5

## Large intestine:

The **organ** where the wastes are kept till getting outside from the body.



**Unit 1**  
**Lesson**  
**1**

# Exercise

Date: ...../...../....

**1**

**Complete:**

1. The digestive system starts with .....
2. .... is a sac where the food is stored and digested.
3. Food passes through ..... to the stomach

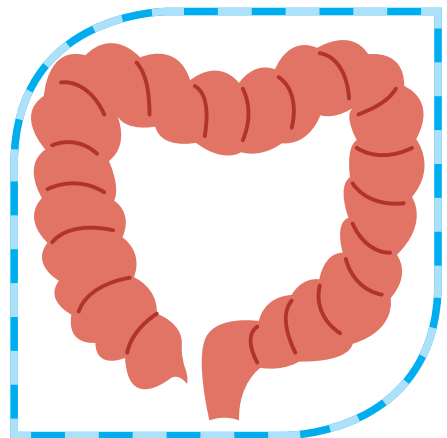
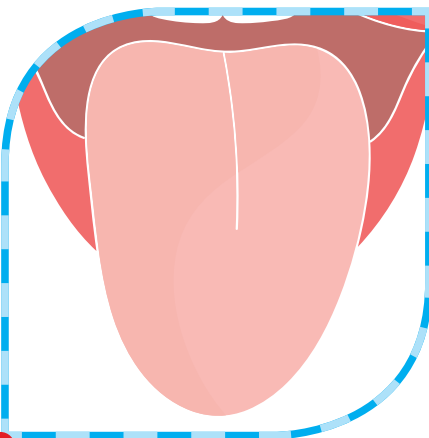
**2**

**Match each organ with its importance:**

**Cutting the food**

**Keeping wastes**

**Mixing the food**





3

Write the scientific term (one word):

1-The system that breaks down the food into small pieces. (.....)

2-A long tube where the food is completely digested and transferred to the body. (.....)

4

Label the figure.

(Large intestine- Mouth- Stomach- Small intestine- Food tube)

