



e-future

DISCOVERY

4.1



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The Body

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- **What** do our bones and muscles do?
- **Why** do we have eyelashes and eyebrows?
- **What** does our brain do?
- **How** can we stretch our body?

Transportation

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- **How** can you ride your bike safely?
- **Where** do flight crews rest on planes?
- **What** is good etiquette on the bus and subway?
- **What** was the first car like?

Art

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- **How** can you have fun at the museum?
- **Why** is the *Mona Lisa* famous?
- **Why** do people yodel?
- **What** is apsara dance?

Space

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- **Who** was Nicolaus Copernicus?
- **Who** were the first humans on the Moon?
- **How** big are the planets?
- **What** do astronauts eat in space?



The Body

Unit 1

Bones and Muscles

Babies have about 300 bones, but adults have about 206 bones.

Discover

What

Unit 2

Eyelashes and Eyebrows

An eyelash falls out after 3-5 months and a new one grows back.

Discover

Why

Unit 3

Smart Brains

The human brain is the second heaviest organ inside the body. It weighs about 1.3-1.4 kg.

Discover

What

Unit 4

Animal Stretches

Just like humans, animals need to move and stretch their bodies for healthy muscles and joints.

Discover

How



Unit

1

Bones and Muscles



Discover in the Picture

This is a class at school.

Kids are learning about bones.

The teacher is the students' questions.

human

answering

science

Key Words

A Listen and repeat the words. 01

1



bones

2



muscles

3



jelly

4



protect

5



heart

6



lungs

B Choose and write the correct words.

bones

heart

jelly

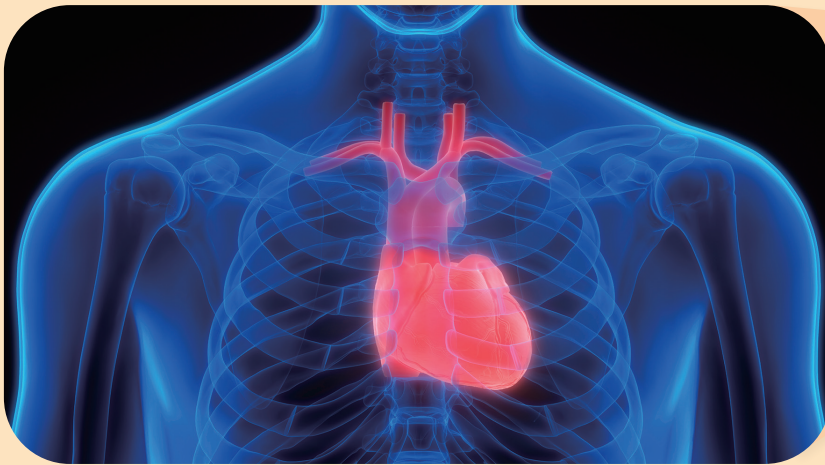
lungs

muscles

protects

- 1 _____ is a soft and sweet dessert.
- 2 The children are looking at the whale _____.
- 3 The boy's helmet _____ his head.
- 4 The _____ pumps blood around our body.
- 5 The boy is showing his arm _____.
- 6 The doctor looks at an X-ray of a person's _____.

Bones and Muscles ▶ 02

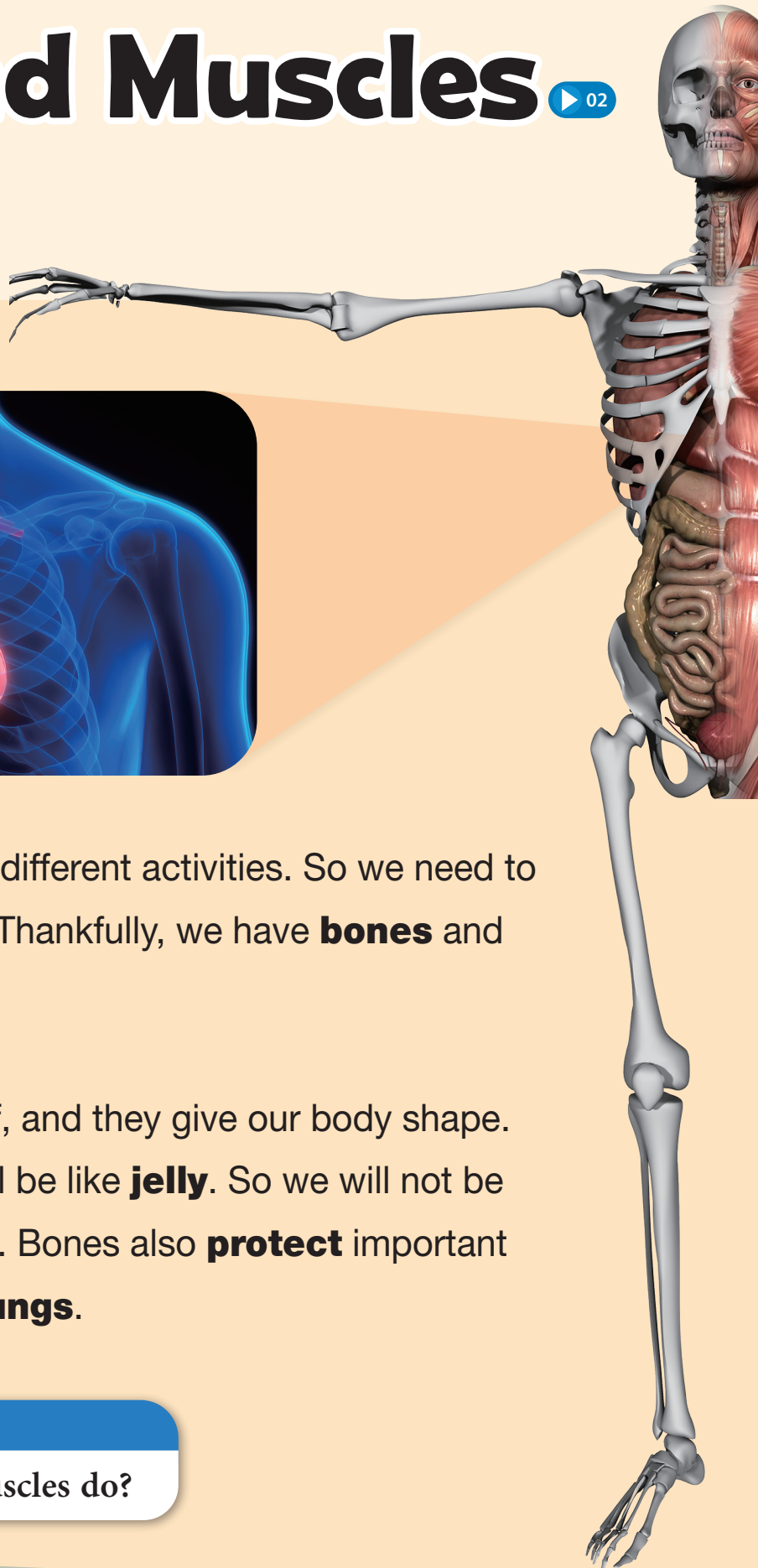


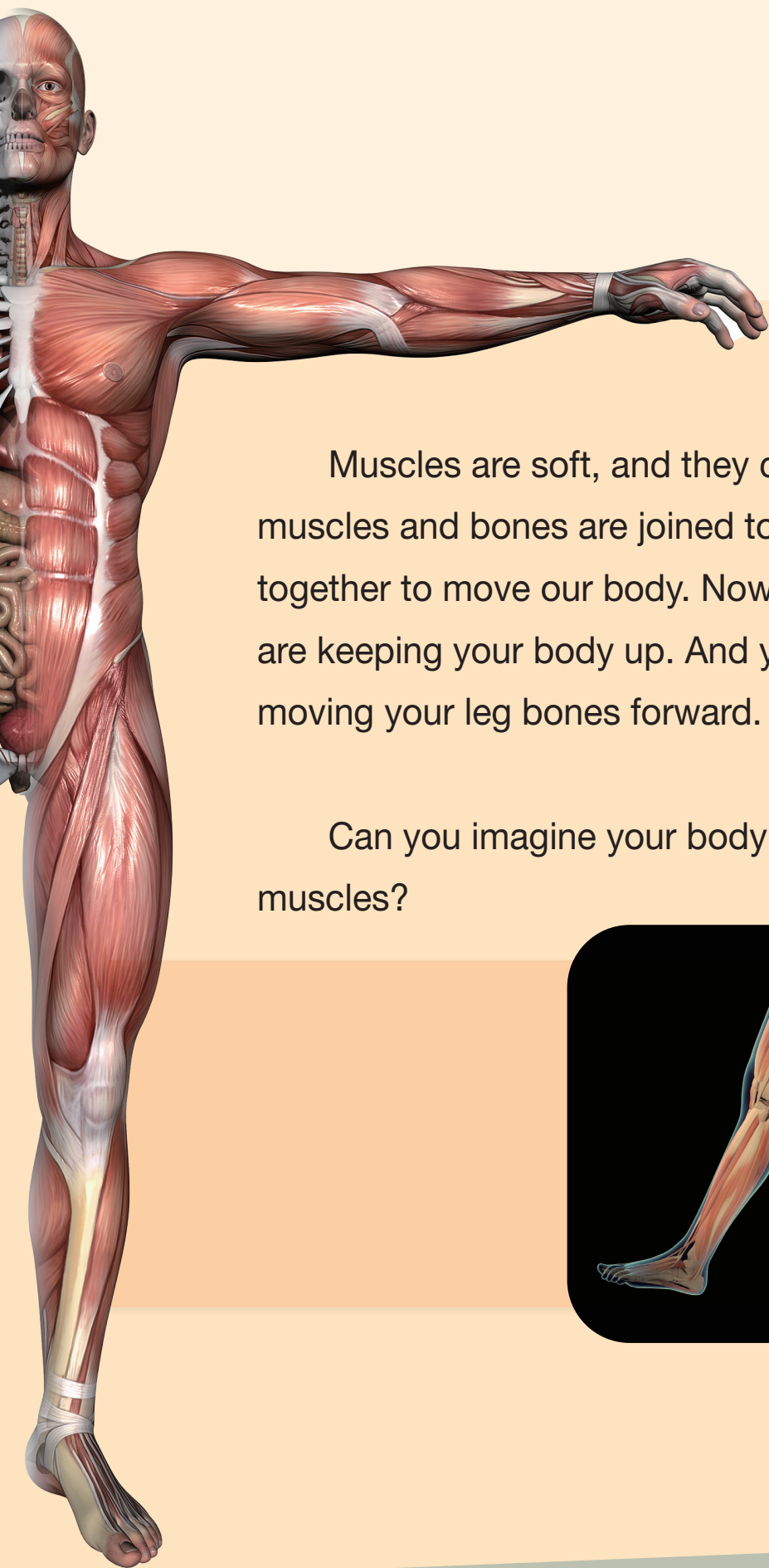
Every day, we do many different activities. So we need to move our body all the time. Thankfully, we have **bones** and **muscles**.

Bones are hard and stiff, and they give our body shape. Without bones, our body will be like **jelly**. So we will not be able to stand up or sit down. Bones also **protect** important organs like our **heart** and **lungs**.

Let's Discover

What do our bones and muscles do?





Muscles are soft, and they cover our bones. All muscles and bones are joined together. And they work together to move our body. Now, try walking. Your bones are keeping your body up. And your leg muscles are moving your leg bones forward.

Can you imagine your body without bones and muscles?



**Check
Reading
Fluency**

Comprehension

A Choose the correct answers.

1 What is the passage mainly about?

- a where our heart and lungs are
- b what our bones and muscles do
- c why we need to move our body

2 Bones are _____, and they give our body shape.

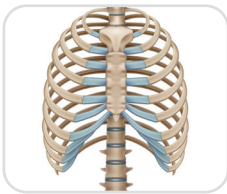
- a stiff and hard
- b like jelly
- c soft

3 What covers our bones?

- a jelly
- b organs
- c muscles

4 _____ protect our heart and lungs.

a



bones

b



muscles

c



jelly

B Circle True or False.

1 We need only bones to move around.

True / False

2 Without bones, our body will be like jelly.

True / False

3 Muscles are stiff and hard.

True / False

Graphic Summary & Practice

A Complete the chart.

What Do Our Bones and Muscles Do?

Bones	Muscles
<ul style="list-style-type: none">• They give our body _____¹.• They _____² our organs.	<ul style="list-style-type: none">• They cover our _____³.
Bones and Muscles	
<ul style="list-style-type: none">• They are _____⁴ together.• They work together to _____⁵ our body.	

bones joined move protect shape

B Complete the sentences.

- 1 We need bones and muscles to _____ around.
- 2 All _____ and muscles are joined. They _____ together to move our body.
- 3 When walking, our bones keep our _____ up and our leg _____ move our leg bones forward.

body bones move muscles work