

Science

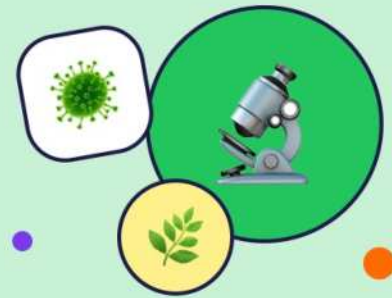
Grade 6

Cells, the building blocks of life

Compare plant and animal cells under the microscope.



I can name cell parts and compare plant and animal cells.

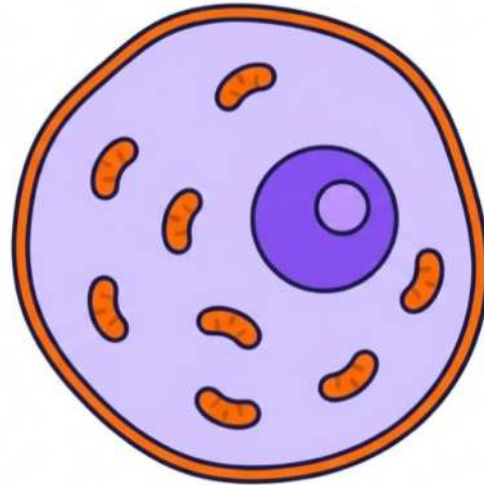
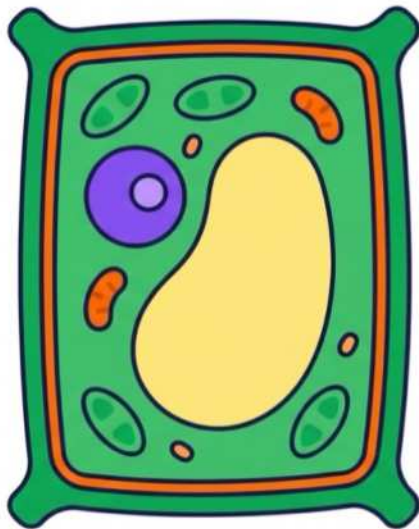


1



Match up

Draw a line to match each pair.

☐

Nucleus

☐

Cell membrane

☐

Cytoplasm

☐

Chloroplast

☐

Cell wall



● **A.** where photosynthesis happens

● **B.** controls the cell

● **C.** gives a plant cell its shape

● **D.** controls what goes in and out

● **E.** jelly where reactions happen

2 Complete the table

Fill in the empty boxes.

Part	Plant cell	Animal cell
Nucleus		
Cell wall		
Chloroplast		
Cell membrane		

3 Pick the answer

Circle the right answer.

1. What do we use to see cells?

☒ A a microscope

☐ B a telescope

☐ C a thermometer

2. Which cell has chloroplasts?

☐ A a muscle cell

☒ B a leaf cell

☐ C a blood cell

4 True or false

Circle true or false.

1. All living things are made of cells.

☒ True

☐ False

2. Animal cells have a cell wall.

☐ True

☐ False

3. Most cells are too small to see without a microscope.

☒ True

☐ False

4. The nucleus contains the cell's DNA.

☒ True

☐ False

5. Root cells are full of chloroplasts.

☐ True

☐ False

5



From cell to organism

Use the word bank to complete each sentence.

WORD BANK

cell

tissue

organ

organ system

organism

1. The smallest living unit of a living thing is the _____.
2. A group of similar cells, such as muscle cells, is called a _____.
3. The heart is an _____ made of several tissues.
4. Several organs working together form an _____.
5. A whole living thing, such as a dog, is an _____.

6



From small to big

Number the levels from smallest (1) to biggest (5).

☐

organ

☐

cell

☐

organism

☐

tissue

☐

organ system

7

**Plant only or both?**

Write each word in the right box.

nucleus

cell wall

mitochondria

chloroplasts

cell membrane

large vacuole

Only plant cells**Plant and animal cells**

8

**Special cells**

Draw a line to match each pair.

☐

Red blood cell

☐

Nerve cell

☐

Root hair cell

☐

Muscle cell



● **A.** long and thin, carries signals

● **B.** contracts to cause movement

● **C.** carries oxygen

● **D.** has a large surface to take in water

9

**Draw it**

Draw a plant cell and an animal cell side by side. Label at least four parts.

How did it go?



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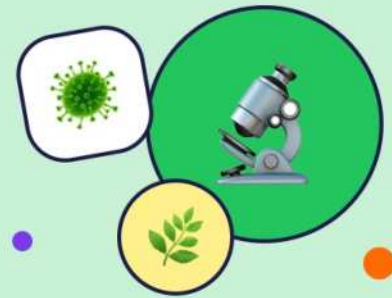
Answer key

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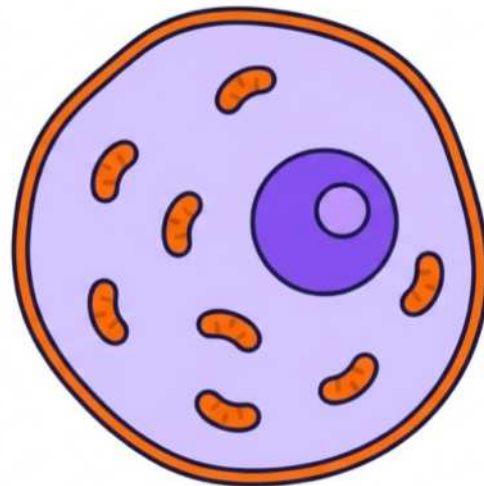
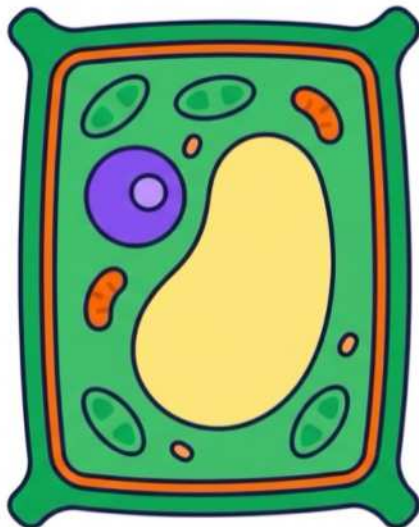


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B Nucleus



D Cell membrane



E Cytoplasm



A Chloroplast



C Cell wall



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Fill in the empty boxes.

Part	Plant cell	Animal cell
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Cell wall	Yes	No
Chloroplast	Yes	No
Cell membrane	Yes	Yes

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Circle the right answer.

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organ

1

cell

5

organism

2

tissue

4

organ system

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Only plant cells

cell wall, chloroplasts, large vacuole

Plant and animal cells

nucleus, mitochondria, cell membrane

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Special cells

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Red blood cell



A

Nerve cell



D

Root hair cell



B

Muscle cell



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