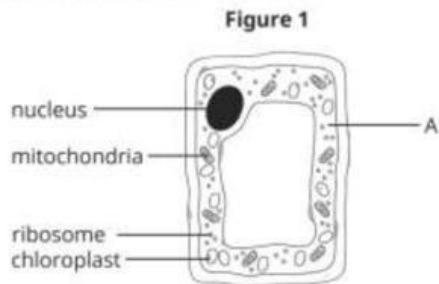


Tahnoon bin Mohammed School- Cycle 2
Grade 6 - Science work sheet
Topic : Body systems
Teacher Ms. Sandhya

Recall:

Figure 1 shows a plant cell.

Some parts of the cell have been labelled.



What is the name of part A?

Tick **one** box.

- | | |
|---------------|--------------------------|
| cell membrane | <input type="checkbox"/> |
| cell wall | <input type="checkbox"/> |
| cytoplasm | <input type="checkbox"/> |
| vacuole | <input type="checkbox"/> |

Understanding:

Which three parts found in a plant cell are **not** present in animal cells?

Tick **one** box.

- | | |
|--|--------------------------|
| cell membrane, chloroplasts, cytoplasm | <input type="checkbox"/> |
| cell membrane, chloroplasts, vacuole | <input type="checkbox"/> |
| cell wall, chloroplasts, cytoplasm | <input type="checkbox"/> |
| cell wall, chloroplasts, vacuole | <input type="checkbox"/> |

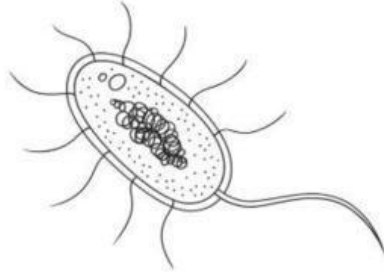
Give one function of the nucleus.

[1 mark]

Apply:

Figure 2 shows a different type of cell.

Figure 2



Give **two** pieces of evidence that suggest the cell in **Figure 2** is a bacterial cell. [2 marks]

1. _____

2. _____

Analyze:

Cardiac muscle is one type of muscle found in the body.

- 1 What is the correct order of these structures from the simplest level of organisation to the most complex?

Tick **one** box.

[1 mark]

- | | |
|---|--------------------------|
| cardiac muscle → muscle cell → heart → circulatory system | <input type="checkbox"/> |
| cardiac muscle → muscle cell → circulatory system → heart | <input type="checkbox"/> |
| muscle cell → cardiac muscle → heart → circulatory system | <input type="checkbox"/> |
| muscle cell → cardiac muscle → circulatory system → heart | <input type="checkbox"/> |

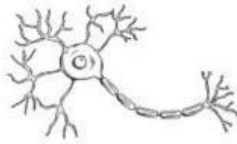
- 2 Which diagram shows a muscle cell?

Tick **one** box.

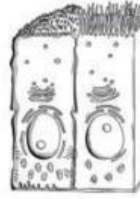
[1 mark]



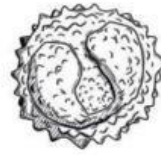
A ☐



B ☐



C ☐



D ☐

- 3 Explain why muscles cells contain many mitochondria.

[2 marks]
