Textbook questions Revision test 1

Instructions for students: Follow your teacher's instruction. Also you can attempt this test online and see your result.

Attempt online and know results

Topic: Textbook questions
Dates: 14.10.2022 until unlimited
Question count: 5
Total marks: 14

1. Give very short answer IV (3 m.)

Which one is called as “Area of movement”?

a. The place where all the organelles are found in _____.

A) Cytoplasm
B) Nucleus

b. Which of the following is called an “Area of movement”?

A) Cytoplasm
B) Protoplasm

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2. Give short answer III (3 m.)

Distinguish between prokaryotic and eukaryotic cells.

a. Prokaryotic cell:

The diameter of this cell ranges from

A) 1 to 2 micron
B) 10 to 200 micron

.
Membrane bound organelles are

A) present
B) absent

.
Nuclear membrane is

A) absent
B) present

in this nucleus.
Nucleoli is

A) present

B) absent

.

b. Eukaryotic cell:

The diameter of this cell ranges from

A) 1000 to 2000 micron
B) 10 to 100 micron

.
Membrane bound organelles are

A) present
B) absent

.
True nucleus that consists of a

A) nuclear membrane is present
B) nuclear membrane is absent

.
Nucleoli is

A) absent
B) present

.

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3. Answer in detail I (5 m.)

Tabulate any five cell organelles and their function.

a. Cell wall - .....

b. Cell membrane - .....

c. Cytoplasm - .....

d. Mitochondria - .....

e. Vacuoles - .....

A)
It is a watery, gel-like substance containing all cell organelles. It's the part of the cell where you can see movement.
B)
The cell organelles produce and supply most of the energy for the cell. Hence they are known as the powerhouses of the cell.
C)
The structure that surrounds and protects the cell. It serves as the supporter and protector of the cell.
D)
The structures that store food, water and chemicals are commonly called storage tanks. They are found in large sizes in the plant cells.

E)
It is found in prokaryotic and eukaryotic cells. It holds and protects the cell, controls material movement in and out of the cell, and separates the cell from its surroundings. It is also known as the cell's gate.

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4. Give very short answer V (3 m.)

Shiva said " Bigger onion has larger cells when compared to the cells of smaller onion"! Do you agree with his statement or not ? Explain Why?

The statement given by Shiva is

A) correct
B) incorrect

. Because both big and small onion have

A) plant cell
B) animal cell

whose size remains

A) same
B) different

whether it is a small or big in size. The shape is larger means that the

A) number of cells is more
B) number of cells is less

in bigger onion.

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5. Give short answer IV (0 m.)

Make sketches of animal and plant cells which you observe under microscope.

Important!

This is a activity-based exercise. Write the answer in a sheet and compare it with the solution given below.

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