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Grade 6 ()

Revision sheet for Grade (6) - SCIENCE

Final Exam – Term 2

2018/ 2019

❖ *Materials for the Exam, you should Study from:*

Unit(1) Module – B - Life science - Cells

Lesson(1) The characteristics of cell p. 4 - 17

Lesson(2) Cell structures & Functions p. 18 - 35

Unit(2) Organisms as Systems

Lesson(1) Levels of organization in organisms p. 46 - 62

Lesson(2) Plant Bodies as systems p. 64 – 79

Lesson(3) Animal Bodies as systems p. 80 - 97

The Revision sheet

NGSS: MS-LS1-1; MS-LS1-2; MS-LS1-3

A) Answer these questions: CELLS:

1. Explain what is the meaning of **Cell**? p. 6

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2. Define **Unicellular organisms**? p.8

.....

3. Define **Multicellular organisms**? P.8

.....



4. List the 2 types of **microscopes** are used to view cells? p.10

a) b)

5. Explain. Why **cell membrane** is important to the cell as a whole ? p.21

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6. What is the function of **mitochondria**? p.22

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B) Choose the right answers:

1. The humans must have **cells** than mice.

- a. more.
- b. less
- c. the same.
- d. none of the above

2. If a cell's **surface area** to volume ratio increased from **3:1 to 4:1**. What impact would that have on the transport of materials across the cell membrane?

- a. it would be uncharged
- b. transport would increase.
- c. transport would decrease.
- d. none of the above.

3. What is the function of the **nucleus** in the cell?

- a. process nutrients.
- b. make proteins.
- c. hold genetic information.
- d. store wastes.

4. The capture energy from sunlight and change it into food.

- a. cell wall
- b. mitochondria
- c. nucleus
- d. chloroplasts



C) Choose the right answers: ORGANISMS AS SYSTEMS:

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question. p.48

___ 1. is a group of similar cells that that are organized to perform a specific function:

- a. an organ.
- b. a tissue
- c. cells.
- d. an organism.

___ 2. The fundamental building block of living things is the

- a. cell.
- b. organ system
- c. organ.
- d. tissue .

___ 3. is different types of tissues that function together.

- a. tissue
- b. atom.
- c. an organ.
- d. organ system.

D) Compare the plant's organs by your observations:

p.54

Organs	Structural observations	Functions
Stem		
leaf		
flower		



E) Draw a FLOW CHART that shows the relationship between parts to form an Organ System:

F) Compare the shape – size and structure in the plants: p.66

Similarities	Differences

G) Write the Plant's INPUTS & OUTPUTS of PHOTOSYNTHESIS: p.69



H) ENTER the SYSTEMS in the table below: p.88

PROCESS	SYSTEMS
1- Chewing of food	
2- Movement of food through the body	
3- Absorption and transport of nutrients	
4- Getting rid of carbon dioxide	

I) ANSWER: these questions by writing the SYSTEMS and its Functions :

a) How Animal's body Digest food and Eliminate wastes? P.84

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b) How Animal's body Deliver Oxygen and Nutrients? P.85

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c) How Animals Move and support the entire body? P.86

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d) How Animal's body process information? P.86

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