

A yellow pencil with a black eraser and a clear plastic folder are positioned on a wooden surface. The pencil is on the left, and the folder is on the right. The folder is open, showing a blank page with horizontal lines. The text "Review Marathon" is written on the page in a bold, italicized font.

***Review
Marathon***

NO 2 HB

Rules For Marathon

- Teams of 3
- Teams will get a point for every correct answer
- All group members must participate and discuss with each other, or penalties will take place
- Winner gets 5 points, ties gets 2
- Use Notes, No Books

NO 2 HB

1)

- Which of the following is a function of the cytoskeleton?
 - a) manufactures new cell organelles
 - b) assists in movement of some cells from one place to another
 - c) releases energy in cells
 - d) modifies, sorts, and packages proteins
- **B) Assists in movement of some cells from one place to another**

NO 2 HB

2)

- Which of the following statements is not included in the Cell Theory
 - a) Cells come only from the reproduction of existing cells
 - b) Cells are composed from smaller cells
 - c) All living things are composed of one or more cells
 - d) Cells are the basic unit of structure and function in an organism
- **B) Cells are composed from smaller cells**

NO 2 HB

3)

- In the nucleus of a cell, the DNA is usually visible as
 - a) a dense region called the nucleolus.
 - b) the nuclear envelope.
 - c) granular material called chromatin.
 - d) condensed bodies called chloroplasts.
- **C) Granular material called chromatin**

4)

- Two functions of vacuoles are storing materials and helping to
 - a) break down organelles.
 - b) assemble proteins.
 - c) maintain homeostasis.
 - d) make new organelles.
- **C) Maintain Homeostasis**

5)

- Which of the following is NOT a function of the Golgi apparatus?
 - a) synthesize proteins.
 - b) modify proteins.
 - c) sort proteins.
 - d) package proteins.
- **A) Synthesis Proteins**

NO 2 HB

6)

- The areas between the cell membrane and the nucleus of a cell is called the _____
- **Cytoplasm**

NO 2 HB

7)

- Unicellular organisms that lack a membrane-bound nucleus and other organelles are called _____
- **Prokaryotes**

NO 2 HB

8)

- The stomach is an example of a(an)
 - a) tissue
 - b) organ
 - c) organ system
 - d) organism

- **B) Organ**

NO 2 HB

9)

- Which of the following shows the levels of organization in an organism from the simplest to the most complex?
 - a)organ system, organ, cell, tissue
 - b)tissue, cell, organ, organ system
 - c)cell, tissue, organ, organ system
 - d)cell, organ, tissue, organ system
- C) Cell, Tissue, Organ, Organ System

10)

● Which of the following cells is specialized for contraction?

- a) muscle cell
- b) red blood cell
- c) pancreatic cell
- d) nerve cell

• A) Muscle Cell

11)

● Which organism listed is a prokaryote?

- a) human
- b) bacterium
- c) fungus
- d) plant

• B) Bacterium

NO 2 HB

12)

- One way prokaryotes differ from eukaryotes is that they
 - a) contain DNA, which carries biological information.
 - b) have a surrounding barrier called a cell membrane.
 - c) do not have a membrane separating DNA from the rest of the cell.
 - d) are usually larger and more complex.
- C) Do not have a membrane separating DNA from the rest of the cell

13)

- The Evolution of organisms on Earth is hypothesized to go
 - a) Single celled Eukaryotes to Prokaryotes to Multi-celled Prokaryotes
 - b) Single celled Prokaryotes to Multi-celled Eukaryotes
 - c) Prokaryotes to Single Celled Eukaryotes to Multi-celled Eukaryotes
- C) Prokaryotes to Single Celled Eukaryotes to Multi-celled Eukaryotes

14)

- Bacteria are
 - a) Prokaryotes
 - b) Multi-celled Eukaryotes
 - c) Eukaryotes
 - d) Multi-celled Prokaryotes
- A) Prokaryotes

NO 2 HB

15)

- The _____ functions primarily as an intracellular highway, a path along which molecules move from one part of the cell to another
- Endoplasmic Reticulum

16)

- The site in which chemical reactions occur that transfer organic compounds into ATP are called _____, often called the powerhouse of the cell
- Mitochondria

NO 2 HB

17)

- Ribosomes are the most numerous organelle in the cell and they function in the synthesis of _____
- Proteins

NO 2 HB

18)

- Choose the term that does not belong
 - a) Golgi Appartus
 - b) Endoplasmic Reticulum
 - c) Chromatin
 - d) Mitochondria
- C) Chromatin

NO 2 HB

19)

- All of the space between the cell membrane and the nucleus where the organelles rest is called the _____
- **Answer- Cytoplasm**

NO 2 HB

20)

- The nucleus is surrounded by a double membrane called the

- **Answer- Nuclear Envelope**

NO 2 HB

Quiz hints

- Be able to draw a venn diagram for Facilitated diffusion vs Active Transport
- Why is blood isotonic to cells?
- Study Journal Questions
- 23 Qs-
 - 10 Fill in the blanks
 - 3 essay
 - 10 Multiple Choice

