Introduction to Cells

* This form will record your name, please fill your name.

1. What is the most basic unit of life?
   (1 Point)

   - Atoms
   - DNA
   - Cells
   - Tissue

2. Which of the following best describes the relationship between cells and living things?
   (1 Point)

   - The larger the living thing, the larger its cells.
   - All living things are made up of one or more cells.
   - The number of cells in all living things is the same.
   - There is one kind of cell of which all organisms are made.

3. Where do cells fall in the level of organization of living things?
(1 Point)

- ◯ Cells are made up of smaller living things called organelles.
- ◯ For something to be alive, it must be made of many cells.
- ◯ Cells are the smallest unit that can be considered living.
- ◯ Only groups of cells that function together are really alive.

4. What evidence must be gathered to support the idea that all living things are made of cells?
(1 Point)

- ◯ Compare living and non-living things to look at similarities.
- ◯ Look at organisms under the microscope to see if they have cells.
- ◯ Monitr the function of cells of different organisms.
- ◯ Examine non-living things to see if they don't have cells.

5. Which of the following provides evidence that the smaller part of living things are cells?
(1 Point)

- ◯ Are tightly packed together with no space in between them.
- ◯ Carry out all of the functions that sustain life.
- ◯ Are uniform in size and structure.
- ◯ Cannot be seen with the naked eye but require a microscope.

6. Unicellular organisms have more than one cell.
   (1 Point)

   - ◯ True
   - ◯ False

7. Only animals are made of cells.
   (1 Point)

   - ◯ True
   - ◯ False

8. Cell theory says that all cells must come from other cells.
   (1 Point)

   - ◯ True
   - ◯ False

9. Reproduction is one of the characteristics of life.
   (1 Point)

   - ◯ True
   - ◯ False

10. Which of the following organisms have prokaryotic cells.
(1 Point)

- ◯ Bacteria
- ◯ Fungi
- ◯ Plants
- ◯ Rocco

11. Organisms adapt through the process of evolution.
(1 Point)

- ◯ True
- ◯ False

12. Eukaryotic cells are smaller than prokaryotic cells
(1 Point)

- ◯ True
- ◯ False

13. Asexual reproduction means that DNA does not get mixed.
(1 Point)

- ◯ True
- ◯ False

14. Only some cells contain DNA
(1 Point)

- True
- False

15. All bacteria are unicellular
(1 Point)

- True
- False

16. Eukaryotic cells have membrane bound organelles
(1 Point)

- True
- False

17. Cell theory states that the cell is the basic unit of life.
(1 Point)

- True
- False

18. Prokaryotic cells don't have a nucleus.
(1 Point)

- True
- False

19. Humans have prokaryotic cells.
(1 Point)

- ◯ True
- ◯ False

20. Scientists discover a new object made of small parts. What must these parts do to be living?
(1 Point)

- ◯ The small parts must carry out all of the functions of life.
- ◯ The small parts must all look the same.
- ◯ The small parts must be different from one another.
- ◯ The small parts must glow in the dark.

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