**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Cell Concepts**

**Part 1**

**Directions**: For each description below, write the first letter of each cell type that can match with the description. *You may use more than one letter for each.*

**U for unicellular**

**M for multicellular**

**A for animal**

**P for plant**

**Example:**

**U, M, A, P may have a nucleus**

1. \_\_\_\_\_\_\_ surrounded by a cell wall
2. \_\_\_\_\_\_\_ can carry out all the functions of life
3. \_\_\_\_\_\_\_ may contain chloroplasts
4. \_\_\_\_\_\_\_ made up of more than one cell
5. \_\_\_\_\_\_\_ may have a flagellum for movement

**Part 2**

**Directions:** Answer each of the following questions using complete sentences.

1. A factory is a system made up of parts that work together to make products. How is a cell like a system?
2. How is a cell system different than a factory system?
3. Can any one part of the cell system do what the whole system does? Why or why not?
4. Why are unicellular organisms considered to be living things, even though they only have one cell?

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Cell Concepts**

**Part 1**

**Directions**: For each description below, write all the first letter of ALL the types of cells that can match with it:

**U for unicellular**

**M for multicellular**

**A for animal**

**P for plant**

**Example:**

**U, M, A, P may have a nucleus**

1. U, M, P surrounded by a cell wall
2. U, M, A, P can carry out all the functions of life
3. U, M, P may contain chloroplasts
4. M, A, P made up of more than one cell
5. U, M, A may have a flagellum for movement

**Part 2**

**Directions:** Answer each of the following questions using complete sentences.

1. A factory is a system made up of parts that work together to make products. How is a cell like a system? A cell is like a system because it is made up of organelles that work together to help an organism to stay alive.
2. How is a cell system different than a factory system? Answers will vary, but should explain that factories function to make products, while cells make products but cell parts also work together for survival.
3. Can any one part of the cell system do what the whole system does? Why or why not?

No. The organelles need to work together to produce proteins.

1. Why are unicellular organisms considered to be living things, even though they only have one cell? Unicellular organisms are living things because they can carry out all life functions in just one cell.