Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 5 Notes- The Cell (p. 87-94)**

**Use for Cell Theory #1-3**
Structure

Conclusions

Preexisting cells

Living things

Observations

Function

Cells

Page 87-88- The Cell Theory

1.) What is a **cell**?

A cell is the smallest part of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2.) What is the **cell** **theory**?

The idea made from scientists’ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that tries to explain living things.

3.) What are the three parts of the **cell theory**?

**Use for Functions #1-4**
organelles

activities (processes)

enters; exits
information

protect; support
DNA

1. All living things are made of 1 or more \_\_\_\_\_\_\_\_\_\_\_\_.
2. Cells are the basic units of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in living things.
3. Cells come only from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Page 89-94- Cell Structures and Functions

|  |  |  |
| --- | --- | --- |
| **Structure** | **Location** (a)inside or outside the cell;(b) in animal cells, plant cells or bacteria (or more than 1) | **Functions** (What does it do?) |
| **1. Cell Membrane** | a)b) | 1. Regulates (controls) what \_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ the cell2. Helps \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the cell. |
| **2. Cell Wall**  | a)b) | 1. Helps \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the cell. |
| **3. Nucleus** | a)b) | 1. It’s the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_center of the cell.2. It contains (holds) \_\_\_\_\_\_\_\_\_.3. It directs (controls) all\_\_\_\_\_\_\_\_\_\_\_\_\_ that happen in a cell. |
| **4. Cytoplasm** | a)b) | 1. It’s where the \_\_\_\_\_\_\_\_\_\_\_ are located and many\_\_\_\_\_\_\_\_\_\_\_\_\_ happen. |

7.) What does a cell look like? Draw a picture of the cell and label the **nucleus**, **cytoplasm**, and

**cell membrane**.