Lesson 1-Cells

The **cell** is a basic unit of all living things. Cells work together to perform basic life processes that keep an organism alive. These processes include moving, breathing, feeding, reproducing, excreting, and growing.

All cells have similar parts or structures. The parts that are common to both plants and animal cells are the nucleus, cell membrane, cytoplasm, and vacuole. However, plant cells have a cell wall and chloroplast which contains chlorophyll. These are **NOT** present in animal cells

Structures of the Cell

The **nucleus** controls the activities of the cell.

The **cell membrane** holds the parts of the cell together. It also separates the cell from its surroundings and controls what material enters and leaves the cell.

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Cytoplasm is a jelly like substance containing many chemicals to keep the cell functioning.

The **vacuole** stores food, waste and water.

Structures found ONLY in plant cell

The **cell wall** is a stiff outer layer that protects the cell and gives it shape.

Chloroplasts are organelles that contain chlorophyll. Plants need chlorophyll to make food, through the process called **photosynthesis**

Cells-Assessment 1

Name:_____ Date:

Read and answer the following the questions correctly

1. What is the basic unit of living things called?
2. Read each statement below. Write **True** if the statement is true or **False** if the statement is false on the line provided

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a._____ the plant would die if chlorophyll was absent from the cells.

b._____ the vacuole gives the plant cell its shape

c._____ photosynthesis is the process in which plants reproduce

3. Plant and animal cells differ in two ways. Write ONE way you can tell the difference between plants and animal cells.

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4. What is a cell?

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5. List TWO life processes that cells Perform.

a._____

b._____

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