**Science 8 Cells and Diffusion Test Study Sheet**

**5 Characteristics of Living Things are:**

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| **Prokaryotic** **Cells** | **Eukaryotic** **Cells** |
| Properties:What creatures are Prokaryotic Cells? | Properties:Which things have Eukaryotic Cells? |

**Cell Theory:**

The three main statements of cell theory are:

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**Diffusion:**

Concentration is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a substance in a given \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Diffusion is the process where a substance goes from a \_\_\_\_\_\_\_\_\_\_\_\_ concentration to a \_\_\_\_\_\_\_\_\_\_ concentration.

Osmosis is the diffusion of \_\_\_\_\_\_\_\_\_\_\_\_\_ through a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ membrane.

**Organelle** **Functions**

List each organelle and its function.

**Microscopes**

Identify each part of the microscope and state its function (on separate sheet)

 Review on p. 50-51