**Grade 8 Quiz Review- Characteristics of Living Things; Cell Theory; Types of Cells and Organelles**

For the Quiz you SHOULD know the following things:

What are the 6 characteristics of living things?

1.

2.

3.

4.

5.

6.

What are the 4 statements of the Cell Theory?

1.

2.

3.

4.

Who are Anton von Leeuwenhook, Robert Hooke, Matthias Schleiden, Theodore Schwann and Rudolph Virchow and what did they do?

What are the 2 types of cells?\_\_\_\_karyotic and \_\_\_karyotic

What 3 organelles do ALL cells (prokaryotic and eukaryotic) have in common?

1)

2)

3)

Which organelles are specific to Plant Cells and what are their functions?

1)

2)

Which Organelles are specific to animal cells and what are their functions?

1)

2)

3)

You should know what organelles both plant and animals have in common and their functions.

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| Organelle | Function |
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