**Introduction to Biology Notes**

Biology is:

**Characteristics of Living Things**

List **and describe** the 8 characteristics of living things in the powerpoint:

1)

2)

3)

4)

5)

6)

7)

8)

**Benefits of biology:**

1)

2)

3)

4)

Write down 2 branches of biology and describe what they study:

1)

2)

**HOW IS RESEARCH DONE?**

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**Steps of the scientific method**

1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Definition:

4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Definition:

7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Controlled experiment: Only \_\_\_\_\_\_\_\_\_ thing is changed at a time!**

**Example Experiment:**

**Variable**:

**Types of variables**:

1)

2)

 3)

**Results**

**Types of Data**

1)

2)

In science, we use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_system

**Types of Graphs:**

List and describe the 3 types of graphs:

1)

2)

3)

**Sample Experiment**

 **Make up your own experiment and label the following:**

**1) Question:**

**2) Background research**

**3) Hypothesis:**

**4) Controlled Experiment**

 **Independent variable:**

 **Dependent variable:**

 **Controlled variable:**

**Scientific Theory:**