Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Grade: \_\_\_\_\_\_\_

**PRACTICING IDENTIFYING VARIABLES**

**Identify the independent variable and underline it in red.**

**Identify the dependent variable and underline it in blue.**

**Identify the control and underline it in green.**

**Then, complete the chart.**

You have two pots with different amounts of water; one has 1 liter and the other one has 3 liters of water. Both pots are on the same burner at the same temperature). Which pot of water will boil in the quickest amount of time?

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| --- | --- | --- | --- |
| **TYPE OF ENERGY** | **INDEPENDENT**  **What will we change?** | **DEPENDENT**  **What we will observe or measure?** | **CONTROL**  **What we will keep the same?** |
|  |  |  |  |

You have two kids of different age; one is ten year old and the other one is 16 year old. Both kids sleep well the night before and eat a good breakfast . Which kid will run a mile in the quickest amount of time?

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| --- | --- | --- | --- |
| **TYPE OF ENERGY** | **INDEPENDENT**  **What will we change?** | **DEPENDENT**  **What we will observe or measure?** | **CONTROL**  **What we will keep the same?** |
|  |  |  |  |

You have two lamps; one is on for two hours, the other one is on for 12 hours. Both lamps have the same kind of bulb . Which lamp will produce more heat energy?

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| --- | --- | --- | --- |
| **TYPE OF ENERGY** | **INDEPENDENT**  **What will we change?** | **DEPENDENT**  **What we will observe or measure?** | **CONTROL**  **What we will keep the same?** |
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You have two tomato plant; one is close to a window, the other one is in a closet. Both plants have the same quantity of water and the same quality of soil. Which plant will grow better because it receives more light energy?

|  |  |  |  |
| --- | --- | --- | --- |
| **TYPE OF ENERGY** | **INDEPENDENT**  **What will we change?** | **DEPENDENT**  **What we will observe or measure?** | **CONTROL**  **What we will keep the same?** |
|  |  |  |  |

You have two chocolate bars, one is close to an stove that is on, the other is in a drawer. Both chocolate bars are the same. Which chocolate bar will melt in the quickest amount of time.

|  |  |  |  |
| --- | --- | --- | --- |
| **TYPE OF ENERGY** | **INDEPENDENT**  **What will we change?** | **DEPENDENT**  **What we will observe or measure?** | **CONTROL**  **What we will keep the same?** |
|  |  |  |  |