I **CAN** make observation & inferences write a hypothesis, identify variables and apply scientific processes to design and carry out an experiment. MS-ETS1-1

***The following statements are how to achieve \*Advanced or \*Meets for this Learning Target:***

**1**. **L**ist the six steps of the Scientific Method in the correct order.

**2**. **D**istinguish between an observation and an inference

and make an inference from an observation.

**3**. **I**dentify and list two of the three guidelines for a good controlled experiment, AND identify a control and an independent variable in an experiment.

**4**. **W**rite a hypothesis (given the independent & dependent variables) in the correct format using the words ***“If”*** & ***“then”.***

***To achieve \*\*MASTERY for this Learning Target you need to achieve Advanced on numbers 1-4 above AND be able to correctly and thoroughly complete numbers 1-3 below.***

**1**. **N**ame all three guidelines for a good controlled experiment.

**2**. **I**dentify a dependent variable in an experiment.

**3**. **D**esign and explain in writing a good controlled experiment, when given an independent and dependent variable, and write a hypothesis.