Life Science **Developing a Hypothesis**

Name _____ Date: Period:

Introduction: During today's class you will observe a demonstration that at first you may not understand. Although, it will be plainly obvious what is occurring, you may not believe your eyes. Every day, scientists have to try to explain their observations of the unknown. They can only attempt to explain the unknown by using what they already know from their own lives, experiences, and research. Your task is to develop a hypothesis (an educated guess) that explains what you saw and how you think it occurred. Don't forget to use your own experiences and knowledge to help explain what you may not understand.

Watch the demonstration and then create a hypothesis below using the ***If and Then Model***.

This is how to develop your hypothesis… IF usually restates what you already know about the experiment or demonstration, while **THEN** is usually your prediction of how it occurred. **THEN** also tries to explain WHY you think the experiment or demonstration occurred the way it did. See below…

IF… _____

THEN… _____

_____

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