A Happy Hypothesis

Name:_____

Part 1: Predicting:

Observe the supplies your teacher has.....listen to what he plans on doing....predict what you think will happen in the space below:

- Fill one beaker with blue water, connect that beaker to empty beaker with string, and pour out the blue water.

Prediction:

Part 2: Researching the topic:

Read the information provided by your teacher. Using your new knowledge, write a prediction about what you think will happen. ~~Your~~ your prediction may be the same or it may change.

Describe how writing this prediction is different from writing on in part 1:

Part 3: Teacher Demo:

What I Saw....	
...my teacher use:	2 beakers, water, blue food coloring, tape, string
...my teacher do:	Mr. Pysher connected the empty beaker to the beaker with blue water with string, lifted the beaker w/ liquid into the air and poured out the contents.
...happen	the water travelled along the string, even when the string was at an angle. No water spilled.

Part 4: Writing a hypothesis correctly: A hypothesis is never about YOU or what YOU THINK; it is about the experiment and what will happen based on scientific research.

The correct format for writing a hypothesis is:

If _____, then _____ because _____.

If what you are changing , then what will happen to what you will measure or observe.

Or

If Independent Variable , then Dependent Variable prediction.

Re-writing your hypothesis: In the space below, re-write your hypothesis from part 2 here:

If I pour water along a string from one beaker to another, then the water will flow along the string without spilling because of the adhesive and cohesive properties of water.

Evaluating a Hypothesis: Was your hypothesis correct? Do you think it matters? Explain.

Independent Practice: Use the word bank below or word of your own to compose some hypotheses in the correct format. Remember to **underline** the IV and **circle** the DV.

Size	Speed	(Growth)	(Temperature)	Color	Gender
Behavior	Fertilizer	Lifespan	Food Choice	Weight	Strength

1. If the temperature in a greenhouse is increased, then plant growth will accelerate.
2. _____
3. _____
4. _____