

Unit 2 - Making Predictions

VISUAL AID: “Making Predictions”

Part I: The Hypothesis—You will soon conduct an experiment to find out which materials will allow magnetic fields to pass through them. Before you begin, check off the hypothesis you think is most accurate:

Hypothesis #1 _____ Magnetic fields can pass through all materials

Hypothesis #2 _____ Magnetic fields can pass through some material

Hypothesis #3 _____ Magnetic fields can pass through some materials and not others.

Part II: The Control Data—How many paper clips does the magnet pick up with out any material between it and the paper clips? _____

Part III: The Experiment:

Data Table

Item	Hypothesis	Test #1	Test #2	Average
<i>Example</i> Paper	I think magnetic field will pass through. It will pick up a lot of paper clips	8	6	$(8+6) \div 2 = 7$