

Name _____ Date _____ Period _____

Steps of the Scientific Method

Hypothesis Practice

Form a Hypothesis:

- A _____ or an _____
about what you think will happen during your experiment based on
_____, _____, or
_____.

Hypothesis

- The _____ is an educated _____ about the _____
between the _____ (manipulating) and _____ (responding)
variables.
- All _____ are written in an “_____” and “_____” format.
- They always mention _____ your _____ and
_____ variables!

Let's try one!

- Problem: What will happen if I put my hand in a bucket of ice water for four minutes?
- Hypothesis: _____ I put my hand in a bucket of ice water for four
minutes, _____ my hand will hurt _____ the cold will
make my blood vessels get smaller, which will cause less blood to go to my hand, which
will make my hand hurt.

Your Turn!

- Problem: What happens to a houseplant if it is not watered for three weeks?

- Hypothesis:

- Problem: What happens to a person's heart rate if that person runs a mile?

- Hypothesis:

- Problem: What animal will be harder for a predator to catch in the Arctic: an animal with light coat or an animal with a dark coat?

- Hypothesis:

- Problem: When using a flashlight as a heat source to simulate the Sun, will a black or white piece of construction paper become hotter?

- Hypothesis:
