

Name:

Date:

## The Process of Science Notes

There is no single rigid method that all scientists use to study the natural world, but

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Key elements in the process of science are:

1.

2.

3.

4.

5.

6.

Hypothesis:

Prediction:

## **Making Predictions**

Scientists use \_\_\_\_\_ to predict the results of new observations and experiments.

Deductive reasoning-

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## **Process of Science Example:**

Jesse observes

She questions

She hypothesizes

## **Making Your Own “If ....and ...Then” Statement**

If

And

Then

**\*Label the question, the hypothesis, the experiment and the prediction**

**Qualities of Good Experiments**

Name:

Group Members:

## Designing Your Bee Experiment

**Your question:** Why do bees avoid areas with predators?

1. Generate three or more hypotheses

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2. Choose your favorite hypothesis and circle it.

3. Write an If....and...then statement for your hypothesis.

If

And

Then

4. Review and revise your experiment