

## Hypothesis Worksheet

Directions: Take the following inferences and turn them into formal hypotheses.

Formal Hypothesis Format:

If responding variable is related to manipulated variable, then prediction (with explanation).

1. Chocolate may cause pimples

Manipulated variable: \_\_\_\_\_ Responding variable: \_\_\_\_\_

Formal hypothesis: \_\_\_\_\_

\_\_\_\_\_

2. Salt in soil may affect plant growth.

Manipulated variable: \_\_\_\_\_ Responding variable: \_\_\_\_\_

Formal hypothesis: \_\_\_\_\_

\_\_\_\_\_

3. Plant growth may be affected by the color of the light.

Manipulated variable: \_\_\_\_\_ Responding variable: \_\_\_\_\_

Formal hypothesis: \_\_\_\_\_

\_\_\_\_\_

4. Bacterial growth may be affected by temperature.

Manipulated variable: \_\_\_\_\_ Responding variable: \_\_\_\_\_

Formal hypothesis: \_\_\_\_\_

\_\_\_\_\_

5. Ultraviolet light may cause skin cancer.

Manipulated variable: \_\_\_\_\_ Responding variable: \_\_\_\_\_

Formal hypothesis: \_\_\_\_\_

\_\_\_\_\_

6. Temperature may cause leaves to change color.

Manipulated variable: \_\_\_\_\_ Responding variable: \_\_\_\_\_

Formal hypothesis: \_\_\_\_\_

\_\_\_\_\_