

## Hypothesis Worksheet 2

Name \_\_\_\_\_

Underline the IV (what is the experimenter changing) and circle the DV (what is being measured) and then write your hypothesis in an "If , then" format. Hour \_\_\_\_\_ Date \_\_\_\_\_

1. Can reading small print cause a headache?

Hypothesis: \_\_\_\_\_

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2. Does the amount of iron in the water affect plant growth?

Hypothesis: \_\_\_\_\_

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3. Can plant growth be increased by increasing the brightness of the light?

Hypothesis: \_\_\_\_\_

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4. Will toddlers grow taller if they drink more milk?

Hypothesis: \_\_\_\_\_

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5. Will being in the sun too long without sunscreen cause skin cancer?

Hypothesis: \_\_\_\_\_

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6. Will the apples be sweeter when the tree gets enough water?

Hypothesis: \_\_\_\_\_

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7. Will test scores increase if studying is done every day?

Hypothesis: \_\_\_\_\_

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8. Will mushroom grow more if the moisture is increased?

Hypothesis: \_\_\_\_\_

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9. Does consuming too much salt cause high blood pressure?

Hypothesis: \_\_\_\_\_

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10. Will brushing your teeth for 10 minutes a day prevent cavities?

Hypothesis: \_\_\_\_\_

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# Hypothesis Worksheet

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

Formal Hypothesis Format:

If *Independent variable*, then *Dependent variable and prediction* because *what you already know* (an explanation).

- Your hypothesis should:
  - make sense to anyone who can read it
  - be something that can be tested
  - answer the Problem

Example: Increased sleep may cause higher grades.

Independent variable: amount of sleep      Dependent variable: grade percent average

Formal hypothesis: If the amount of sleep is increased then the grade percent average will increase because sleep allows students to be alert and focused during class.

1. Chocolate may cause pimples

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

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

\_\_\_\_\_

2. Salt in soil may affect plant growth.

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

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

\_\_\_\_\_

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

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

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

\_\_\_\_\_

4. Bacterial growth may be affected by temperature.

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

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

\_\_\_\_\_

5. Ultraviolet light may cause skin cancer.

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

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

\_\_\_\_\_

6. Temperature may cause leaves to change color.

Independent variable: \_\_\_\_\_ Dependent variable: \_\_\_\_\_

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

\_\_\_\_\_