Number _____

Hypothesis Worksheet 2

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.

1. Can reading small print cause a headache?
   Hypothesis: ____________________________________________________________
   ______________________________________________________________________

2. Does the amount of iron in the water affect plant growth?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

3. Can plant growth be increased by increasing the brightness of the light?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

4. Will toddlers grow taller if they drink more milk?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

5. Will being in the sun too long without sunscreen cause skin cancer?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

6. Will the apples be sweeter when the tree gets enough water?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

7. Will test scores increase if studying is done every day?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

8. Will mushroom grow more if the moisture is increased?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

9. Does consuming too much salt cause high blood pressure?
   Hypothesis:________________________________________________________________
   ______________________________________________________________________

10. Will brushing your teeth for 10 minutes a day prevent cavities?
    Hypothesis:________________________________________________________________
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: ________________________________ _____________________________________
___________________________________________________ __________________________________
___________________________________________________ __________________________________