

HYPOTHESIS / VARIABLES WORKSHEET

Name _____ Date _____ PD _____

Write a hypothesis for each of the following research problems. Make sure you follow the "If..., then...because..." format shown in the example below for each hypothesis. Also, identify the dependent and independent variable for each.

Example: What effect does pollution have on the population of fish in a lake?

Hypothesis: **If** the pollution increases, **then** the population of fish in a lake will decrease **because** fish can't survive in dirty water.

Independent variable: The amount of pollution

Dependent variable: The population of fish

1. What effect does high temperature have on potato germination?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

2. What effect does studying with music have on student test scores?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

3. What effect does food color have on the amount of food fish eat?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

4. What effect does light have on plant growth?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

5. What effect does smiling have on a teacher giving no homework?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

6. What effect does the amount of water have on the growth height of plants?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

7. What effect does giving chocolate to teachers have on the amount of homework they give?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

8. What effect does a tree having leaves have on the number of birds that will build a nest in it?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

9. What effect does acid rain have on the drinkability of water?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____

10. What effect does calcium have on bone strength?

Hypothesis: _____

Independent variable: _____

Dependent variable: _____