

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Science

The hypotheses and questions can be worded in multiple different ways. Write a HYPOTHESIS for each of the following research questions. Identify the dependent and independent variable for each.

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

If the color of their food is brown, then fish will eat more

Independent variable: food color

Dependent variable: the amount of food fish eat

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

If students smile then the teacher will no homework

Independent variable: smiling

Dependent variable: giving no homework

3. What effect does light have on plant growth?

If plants receive more light, then they will grow taller

Independent variable: light

Dependent variable: plant growth

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

If students study with music, then their test scores will increase

Independent variable: studying with music

Dependent variable: student test scores

5. What effect does high temperature have on radish germination?

If temperature is increased, then radish germination will increase

Independent variable: high temperature

Dependent variable: radish germination