

Name: _____ Cycle: _____ Date: _____

Variables and Hypotheses

Identify the independent and the dependent variables for each research problem. Then write a hypothesis for each.

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

IV: _____

DV: _____

Hypothesis: _____

2. Does listening to music affect how a student scores on a test?

IV: _____

DV: _____

Hypothesis: _____

3. What effect does light have on plant growth?

IV: _____

DV: _____

Hypothesis: _____

4. What effect does smiling have on a teacher giving homework?

IV: _____

DV: _____

Hypothesis: _____

5. Does the amount of water affect plant growth height?

IV: _____

DV: _____

Hypothesis: _____

6. Is the classroom noisier when the teacher leaves the room?

IV: _____
DV: _____
Hypothesis: _____

7. Will a bird nest in a tree with no leaves?

IV: _____
DV: _____
Hypothesis: _____

8. Does the acidity of water affect the population of fish?

IV: _____
DV: _____
Hypothesis: _____

9. Will taking calcium supplements increase a bone's strength?

IV: _____
DV: _____
Hypothesis: _____

10. Do playing video games after school affect a student's grades?

IV: _____
DV: _____
Hypothesis: _____

