



Name: _____

Section: _____

Date: _____

Testable Questions

Consider each topic below, then:

(1) write a testable question related to the topic using the formula:

How does _____ affect _____ ?

(2) identify the independent and dependent variable.

(3) compose a hypothesis related to your question using the formula:

IF the independent variable changes in *this* way, THEN the dependent variable will change in *this* way BECAUSE of *this* reason.

The first topic has been completed for you as an example.

1. Sunlight waking you up in the morning

Testable question: *How does the amount of sunlight in my room affect the time at which I wake up in the morning?*

Independent variable: *sunlight*

Dependent variable: *the time I wake up in the morning*

Hypothesis: *If there is more sunlight in my room early in the morning, then I will wake up earlier because I have trouble sleeping when my room is full of light.*

2. Springtime rainfall and the emergence of dandelions

Testable question: _____

Independent variable: _____

Dependent variable: _____

Hypothesis: _____



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3. Insect populations and insectivorous bat populations

Testable question: _____

Independent variable: _____

Dependent variable: _____

Hypothesis: _____

4. Freckles appearing on your face in the summer

Testable question: _____

Independent variable: _____

Dependent variable: _____

Hypothesis: _____

5. Lake water temperature and the average size of largemouth bass

Testable question: _____

Independent variable: _____

Dependent variable: _____

Hypothesis: _____
