

Directions: For each testable question, identify the independent and dependent variable and write a hypothesis.



Remember the following:

Independent Variable (IV): What is different between the groups or changed by the experimenter?

Dependent Variable (DV): What is measured within the experiment?

Hypothesis: if, then, because statement

1. How does the distance from an eye chart affect the number of letters that are recognized on a single line?

IV: _____

DV: _____

Hypothesis: _____

2. Would a mile be run faster on a road or on sand (the beach)?

IV: _____

DV: _____

Hypothesis: _____

3. If the amount of oxygen in the water is decreased would it affect the number of fish in the area?

IV: _____

DV: _____

Hypothesis: _____

4. If fertilizer (which contains nutrients) is used on a field, would it affect the number of earthworms found?

IV: _____

DV: _____

Hypothesis: _____

5. Are injuries more likely to occur if a soccer team practices in the rain or if practice occurs when it is dry?

IV: _____

DV: _____

Hypothesis: _____

6. Would more student talking in class occur if desks are in rows or if desks are set up as tables?

IV: _____

DV: _____

Hypothesis: _____

7. Would more sweat be produced while running inside a gym or outside on a track in the month of January?

IV: _____

DV: _____

Hypothesis: _____

