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: