Hypothesis and Variables Name _____

In the scenarios below, determine which variable is highlighted.

Scenario #1:
A company wants to test a new dog food that is supposed to help overweight dogs lose weight. 50 dogs are chosen to get the new food, and 50 more continue with their normal diet. After one month the dogs are checked to see if they lost any weight.

What is highlighted in yellow?

What is highlighted in green?

Scenario # 2
A new sunscreen has been developed that is supposed to be more effective at preventing sunburn. 30 participants spray one arm with new sunscreen and the other arm with their normal sunscreen. After 4 hours in the sun, their skin is evaluated for any redness.

What is highlighted in yellow? _____

What is highlighted in green? _____

Scenario #3

A. I wonder if eating breakfast increases my performance in school.
B. If you eat breakfast, then you will get better grades.
C. Breakfast
D. Grades

What does letter A represent? _____

What does letter B represent? _____

What does letter C represent? _____

What does letter D represent? _____

Scenario #4
A study was done to find if different tire treads affect the braking distance of a car.
IV: _____ DV: _____

Scenario #5

The height of bean plants depends on the amount of water they receive.
IV: _____ DV: _____

LIVEWORKSHEETS