

## VARIABLES

For each statement or question below:

- ◆ *Underline the independent (manipulated) variable.*
- ◆ *Double underline the dependent (responding) variable.*
- ◆ *List 2 controlled (constant) variables.*

1. Do higher cost paper towels absorb more fluids than less expensive brands?
2. What dose of antibiotic is needed to cure Strep Throat in children?
3. Which material keeps feet warmer, cotton or polyester?
4. Jason wants to hold band practice in the garage. He needs to find out what type of material will best insulate sound.
5. A veterinary clinic wants to know which brand of dog food, "High Protein Kennel Special" or "Scientific Formula" will help dogs recover from surgery the fastest.
6. Mary has an idea for creating kits to help people in NYC have rooftop gardens. Since space is limited, her idea involves using more vertical space. She wants to find out what vegetables she can incorporate into her kits that will grow best vertically.
7. Ken loves to fish. He wants to know what time of day he has the best chance of catching a trout near the dock.
8. Which type of car paint coats best and has the greatest luster?

**Write a problem statement or question below and follow the underlining directions for your own problem statement to each situation**

A. Alice is a runner. Lately her left knee has been hurting when she is only half way through her workout. She thinks that she may need support for her knee during her runs.

B. Brian wants to find out what study techniques help him perform best on his math tests.