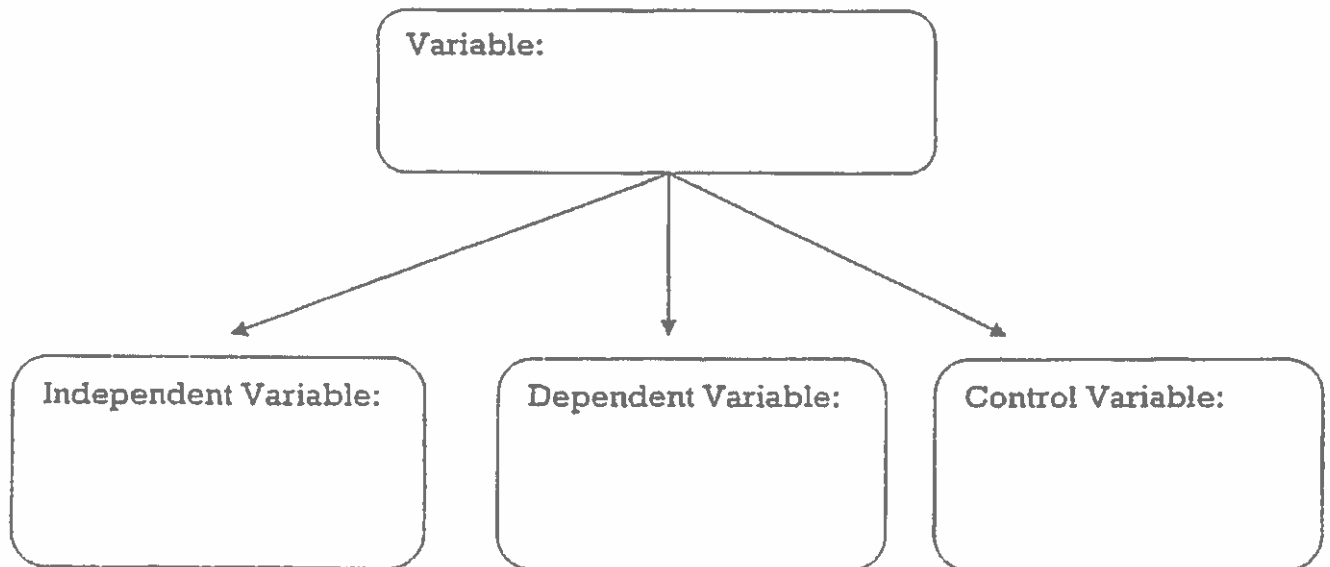


Name: \_\_\_\_\_

## Identifying Variables

**Directions:** Listen to the mini lesson from your teacher. Based on the content you learn, fill in the web.



**Examples:** **Underline** the Independent Variable and **circle** the Dependent variable.

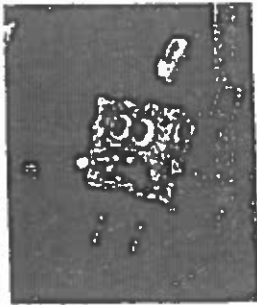
1. What is the effect of temperature on the height a tennis ball bounces?
2. How does the brand of soap affect the size of the soap bubbles?

**Independent Practice:** Remember to **underline** the IV and **circle** the DV.

1. What is the effect of caffeine on a person's pulse?
2. What is the effect of a time spent playing video games on math test scores?
3. How does use of antibacterial soap affect the number of germs left on a surface?
4. What is the effect of bridge design on the ability to hold weight?
5. What is the effect of light on the amount mold growing on bread?
6. How does salt content affect the temperature when water boils?
7. What is the effect of wing shape on airplane speed?
8. How does color affect a person's mood?
9. What is the effect of gender on the ability to memorize?
10. How does weight affect the speed of a car?

# Identifying Independent Variables

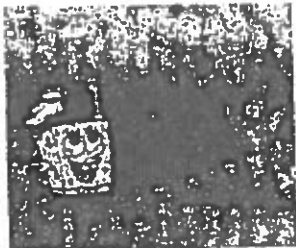
Name: \_\_\_\_\_



In his never-ending attempt to be the best employee at the Krusty Krab, SpongeBob created a special grease that would enhance the flavor of the Krabby Patties he cooked. He created two groups of 25 patties each. Group 1 was cooked in Mr. Krab's cheap grease and Group 2 was fried in SpongeBob's new, special grease. When the customers consumed the Krabby Patties, SpongeBob was awaiting their reaction. Twenty customers who received the new grease returned for a second helping; ten who received the patty in the regular grease asked for a second helping.

Identify the:

1. Independent Variable: \_\_\_\_\_
2. Dependent Variable: \_\_\_\_\_
3. Control Variables: \_\_\_\_\_

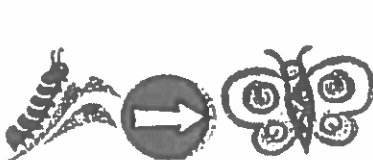


SpongeBob and Patrick were enjoying a leisurely day of jelly fishing when suddenly Patrick noticed that the jellyfish were swimming away from SpongeBob's pineapple house towards Squidward's house. The friends decided to analyze the acidity of the water around the pineapple. The data collected showed that the water immediately surrounding Spongebob's home had a pH of 1.4, 5 meters away the pH was 1.9, and 10 meters away the pH was 2.4.

Identify the:

1. Independent Variable: \_\_\_\_\_
2. Dependent Variable: \_\_\_\_\_
3. Control Variables: \_\_\_\_\_

**Use Your Knowledge:** Match your new terms (variable, independent variable, control variable, dependent variable) to the pictures below! Be prepared to defend your answer!



\_\_\_\_\_