

# Lesson Plan 2 - Roadside Litter survey: A Simulation - Activity Sheet 2

## SIMULATED VISIBLE LITTER SURVEY

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

**Instructions:** You are a researcher who has been hired by Keep Louisiana Beautiful to study visible litter left on Louisiana’s roadways. Every time you observe a piece of litter you must record the type of litter in your field notebook data table.

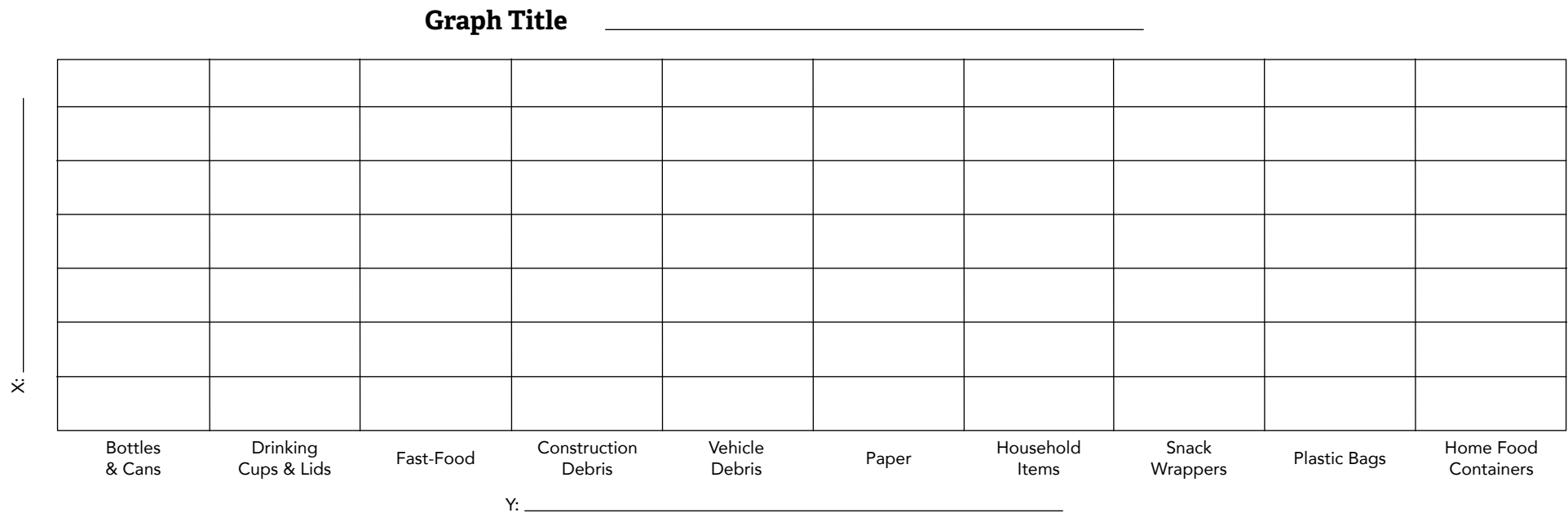
**Step 1.** To simulate collecting litter survey data, you will draw a litter card out of your envelope. The litter on the card has been left on a Louisiana roadway by a pedestrian or a person in a car or truck. You will begin your observations on “Monday.” Record the category of litter at the top of the column in the chart below and place a tally mark in the correct column and row of your data table. Return the litter card to the envelope. Shake the envelope and draw another litter card. Record your data below. Do this 10 times on each of the five “days” you did your simulated visible litter survey.

Observation Day	Types of Visible Litter (visible litter is larger than 4 inches)									
	Bottles & Cans	Drinking Cups & Lids	Fast-Food	Construction Debris	Vehicle Debris	Paper	Household Items	Snack Wrappers	Plastic Bags	Home Food Containers
Monday										
Tuesday										
Wednesday										
Thursday										
Friday										
Total Over Five Days										

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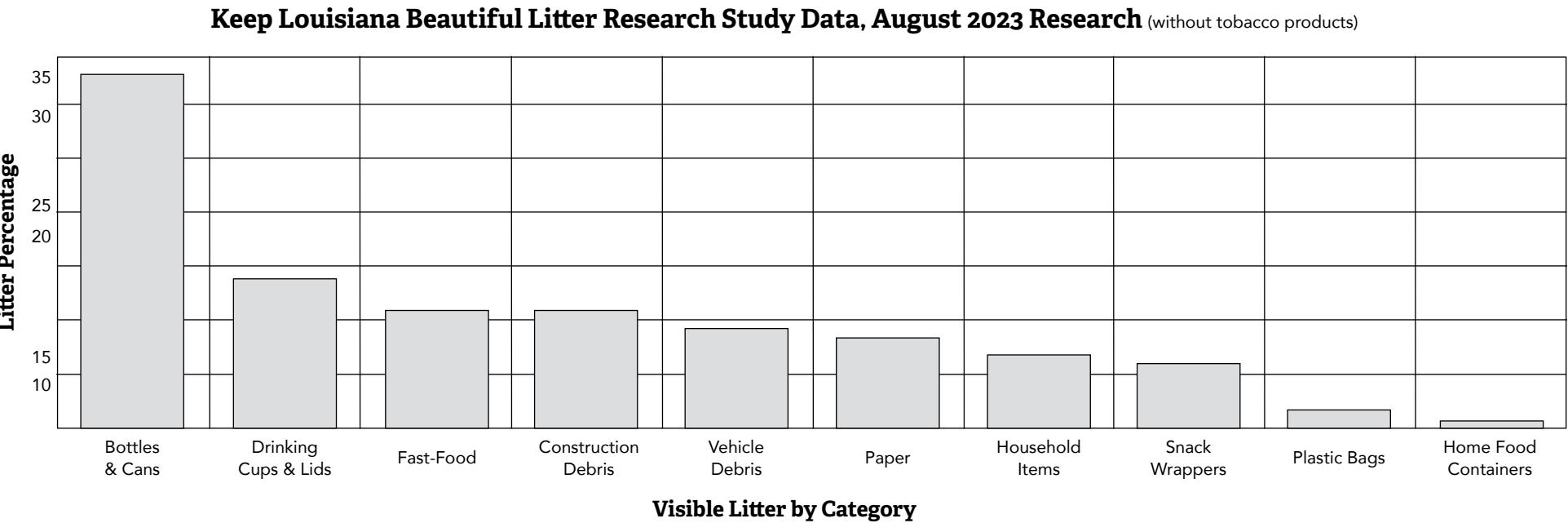
**Step 2.** Create a bar graph below to display your total of each type of visible litter that you found over the course of the five days of your observations. Remember to title your graph and to label both the x and y axes.



**Step 3.** Looking back over your table of data and above at your graphed data, describe what the data tells you about your litter survey over the five days of observation.

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**Step 4.** How do your simulation results compare with the Keep Louisiana Beautiful Litter Survey Results from August 2023?

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**Take Action:** Many of the litter categories above are the result of careless behavior. What can you do to reduce and prevent litter on our streets and highways?

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