

Name \_\_\_\_\_

# Plan an E-Cigarette Survey

Do your peers understand the health risks of vaping? Use the steps below—writing your answers on a separate sheet of paper—to plan and conduct a survey about what your classmates know about e-cigarettes.

## 1 Find Your Research Focus

What would you like to learn from your classmates? Write 3–5 clear and open-ended research focus questions (not “yes or no” questions).

- *Examples: What do my peers know about the health risks of e-cigarettes? What are other factors that may increase the chance or decrease the chance that a teen would try e-cigarettes or other tobacco products?*

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## 2 Write Survey Questions

Choose one or two research focus questions from Step 1. On separate paper, write 5–10 specific and close-ended survey questions to get targeted answers from your peers.

- *Example: Questions should narrow in on specific, detailed responses. Rather than asking “What do you know about e-cigarettes?” you might ask, “Did you know most e-cigarettes contain nicotine, an addictive chemical?”*

## 3 Make Predictions

Using your knowledge of the news and your own experiences, predict the findings for each of your questions.

## 4 Collect Data

Keeping it anonymous, share your survey with various types of teens to accurately represent the diversity of the whole population. In other words, you want a **representative sample** of teens.

- *Tip: The more people you include in your survey, the more reliable your results. (The number of people you survey is called your **sample size**.)*

## 5 Analyze Your Data

Organize your data in charts and graphs to see trends.

- A **dot plot** shows the difference between individual groups.
- A **line graph** represents change over time, and a **scatter plot** shows the relationship between two variables.
- The **mean** is the average.
- The **standard deviation** is how spread out the data is (variation).



## 6 Present Findings

Create a presentation for your classmates in the form of a slideshow, a blog post, a short video clip, or a PSA campaign series. Be sure to include:

- *Your survey method*
- *Text descriptions and visual representations of your data*
- *Your conclusions (supported by your data) about the teen population and e-cigarettes*