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| **Name:** |  |

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|  | Protecting Our Lungs **Student Data Collection Sheet** |

Think About It! Write your answers below:

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| Understanding E-cigarettes | 1. How do **e-cigarettes** work? |
| 2. What types of devices can **e-cigarettes** resemble? |
| 3. Why is **nicotine** dangerous? |

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| Vaping and CDC | 1. Why are **e-cigarettes** more appealing to young people than regular cigarettes? |
| 2. Why is **vaping** a **public health** issue? |
| 3. What are some organizations CDC works with to address the dangers of **vaping**? |

In this step, you share your information. Sharing the information you collect is key. Click the links below to share:

https://observer.globe.gov/do-globe-observer/mosquito-habitats

http://www.citizenscience.us/imp/collectionform.php

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| Citizen Science | 1. What issues with **vaping** did Dr. King present? |
| 2. Why is it important to find out the long-term effects of **vaping**? |
| 3. What role do **citizen scientists** play in tobacco prevention and control? |

Conduct a Vaping Demonstration: Write Your Script

Before you record your demonstration, write a script to make sure you include all the important information about the dangers of **vaping**. Your script should include several parts:

• A short explanation about your lung model and explanation of each part of your model  
• Talking points for your demonstration of the working lung model  
• A short explanation about what the cooking oil and eye dropper represent  
• Talking points for your demonstration of vaping using the cooking oil, eye dropper and lung model

Using the space below, draft a short script for your demonstration:

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Sketch Your Storyboard

A storyboard is a set of sketches that show how a story will be filmed. Think about each part of your script. What will it look like to the viewer? Using the box below, describe what is happening in each part of your demonstration. You can use a digital tool or insert a photo of a storyboard that is drawn on paper.

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Reflections

**Now that you have completed this investigation, think about what you learned from your research and experiment. Answer the questions below.**

1. What are some of the dangers associated with **vaping** and **e-cigarettes**?

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1. What is the biggest challenge CDC faces with **vaping**?

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1. What approach should organizations like CDC use to help teens understand how **vaping** affects their health?

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1. How can schools help CDC raise awareness about the effects of **vaping**?

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1. Public smoking has been banned in many places because of the effect it has on the health of others. Should **vaping** be included in these bans? Why or why not?

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1. In 2020, FDA began prioritizing enforcement against unauthorized flavored products that appealed most to kids. Some people feel this isn’t enough and that **vaping** should be banned completely. Should **e-cigarettes** be banned completely? Why or why not?

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