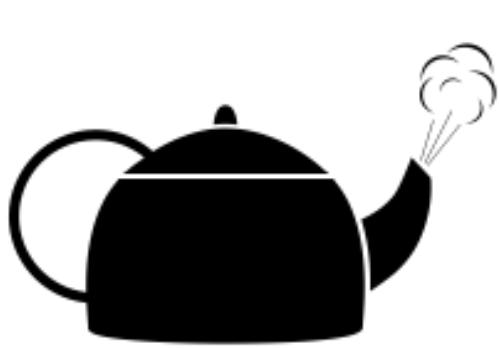




# Unit 2: So, What's Really In These E-Cigarettes/Vape Pens?



STANFORD  
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## **Lesson 2.1: Activity 1: It's Just Water Vapor, Right?**

# Definitions



**GAS:** a substance with indefinite expansion. When you let a gas out of it's bottle, it will usually keep spreading out until it's completely mixed with the air.



**VAPOR:** it can mean the same as gas, but it may also be used to describe a visible exhalation, such as steam or fog. "Vapor" isn't as precise a term as "gas" or "aerosol."

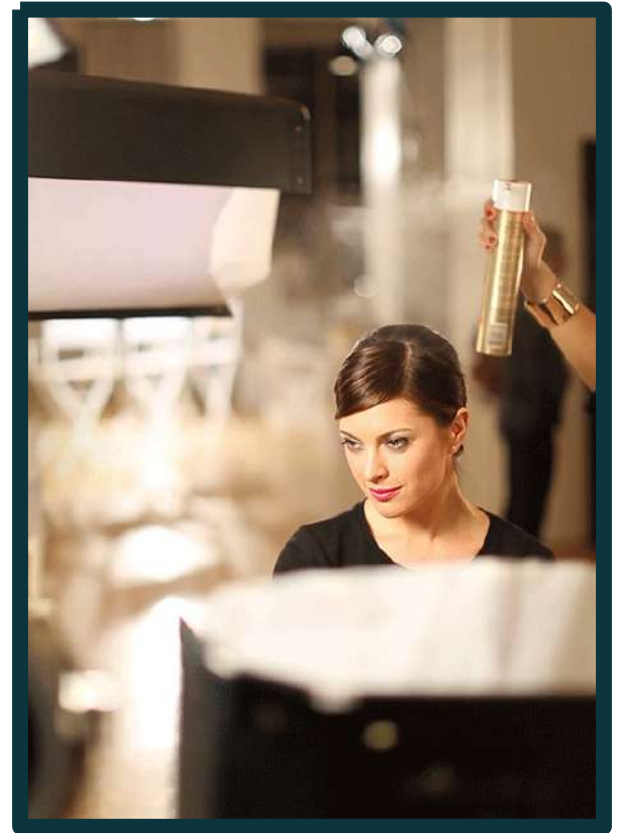


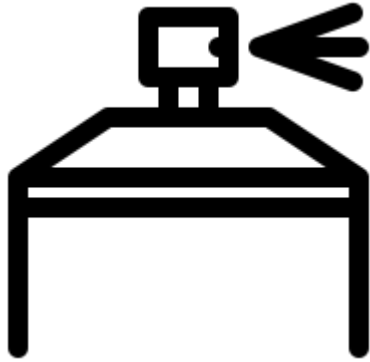
**AEROSOL:** a mixture of liquid particles suspended in a gas. Instead of just mixing with the air like a pure gas, aerosols can leave drops behind.



## **Lesson 2.1: Activity 2: Vapor or Aerosol? Does it Really Matter?**

# Vapor or Aerosol





## **Lesson 2.2: What's in E-cigarette/Vape Pen Aerosol?**

# Where Else Can You Find These Chemicals?

Propylene glycol → Antifreeze



Acetone → Nail Polish Remover



Ethylbenzene → Paints, Pesticides



Formaldehyde → Embalming



Nicotine → Cigarettes



Rubidium → Fireworks

<https://youtu.be/PFSuRu5zZNc>