

# FLUIDS

## DIGITAL ESCAPE ROOM

### EDITABLE & DIGITAL

# RESOURCE INCLUDES

1. Digital Escape Room
2. 10 Challenges "Locks"
3. Teacher Instructions
4. Student Instructions
5. Answer Key
6. Reflection Questions



"This was a great activity to engage students in the concepts they are learning. Thanks!" – Education FUNdamentals



## CHALLENGE #7



You flip through your chemistry notebook. You find a note in the book that says if pressure is put on an incompressible fluid in a closed container, the pressure will be evenly dispersed throughout the fluid. Use the cipher to help you decode the name of the law.

7 \_ V L \_ L ' V  
L \_ V



# THE RULES

## ESCAPE ROOM RULES



1. Once you and your team are ready to start, hit the timer button. You are not allowed to pause or change the time. Your teacher will tell you how long to set the timer for.
2. Make sure you look at and read **EVERYTHING** in each section including titles, images, etc.
3. Write answers in **ALL CAPS** with **NO SPACES**.
4. You are allowed **ONE FREE HINT**.
5. You can get two more hints, but they will cost you 3 minutes on the clock per hint!
6. Please do not Google the answers.
7. Please do not share your answers with other students.

**STUDENTS CAN  
PLAY:**

- ✓ **INDIVIDUALLY**
- ✓ **PAIRS**
- ✓ **GROUPS**

# THE STORYLINE

## TRAPPED IN THE RESTROOM



A chemist is coming to your science class to discuss solids, liquids, and gasses, and what she does with them at work. She is also going to discuss other occupations that use fluids, like dental hygienists. Since you have always dreamed of being a chemist as an adult, you don't want to miss a minute of what she has to say. You run into the restroom before class starts to make sure you don't have to leave the lab for any reason while she is talking. You're about to rush to wash your hands and get to class when you realize that the lock is jammed! There's no one in the bathroom because it's first thing in the morning and everyone is at their locker before heading to class. Solve the next ten locks about fluids to try and get to class before the chemist's presentation is over.

# SAMPLE CHALLENGE



## CHALLENGE #2



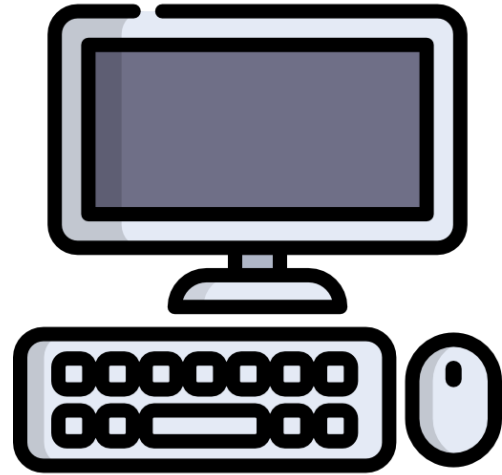
Match each common household fluid to its use (e.g., A6). The lock will be the combination of 8 letters and numbers.

Common Household Fluid	Fluid Use
A. Antifreeze	1. A minty fluid that keeps your breath smelling fresh
B. Vinegar	2. Liquid to drink on its own, to add to cereal, or to cook or bake with
C. Mouthwash	3. Liquid used in or as nail polish remover and paint remover
D. Disinfectant	4. Fluid used to pickle vegetables as well as a cleaning agent
E. Milk	5. Liquid used to clean hands or clothing items
F. Detergent	6. Fluid that prevents a car's radiator from freezing up
G. Cooking oils	7. Fluid used to kill germs, such as hand sanitizer
H. Acetone	8. Liquid used to cook with or to add into cooking mixtures

**STUDENTS  
USE THE LIST  
OF FLUIDS TO  
SOLVE THIS  
CHALLENGE**



# LESSON FORMAT



**DIGITAL**

✓ Editable Google Form

A screenshot of a Google Form titled "Grade 8 Fluids Digital Escape Room". The form is part of a series of 15 sections, currently showing "Section 1 of 15". The header image shows several plastic bottles of different colors (blue, yellow, green, orange, red) containing liquids. The form instructions state: "Work through each set of challenges to solve the escape room." The form contains three required text input fields: "First Name", "Last Name", and "Class Code or Period". Each field is labeled with a red asterisk and has a "Short answer text" placeholder.

Section 1 of 15

## Grade 8 Fluids Digital Escape Room

Work through each set of challenges to solve the escape room.

First Name \*

Short answer text

Last Name \*

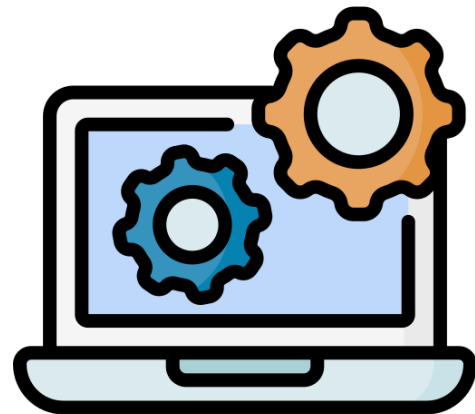
Short answer text

Class Code or Period \*

Short answer text

**RESOURCE CAN BE USED IN-PERSON OR ONLINE**

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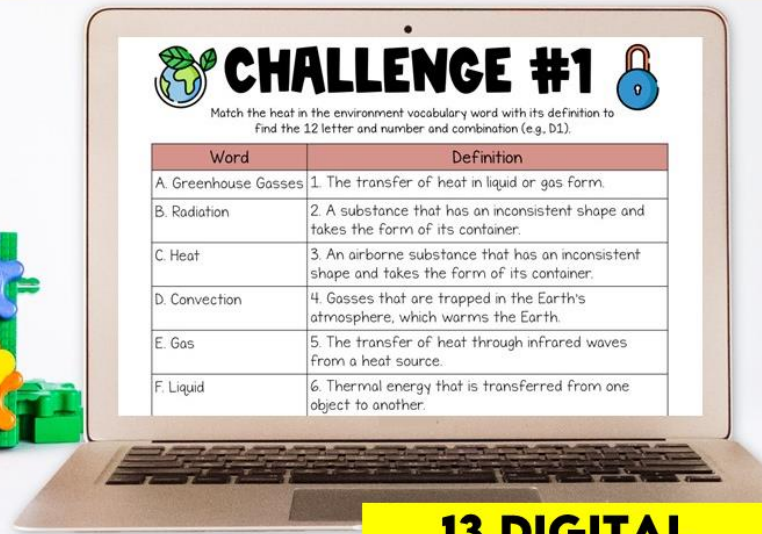
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# TEACH SCIENCE?



## DIGITAL ESCAPE ROOM SCIENCE BUNDLE

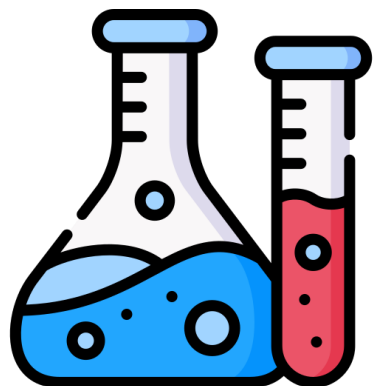
**EDITABLE & DIGITAL**



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