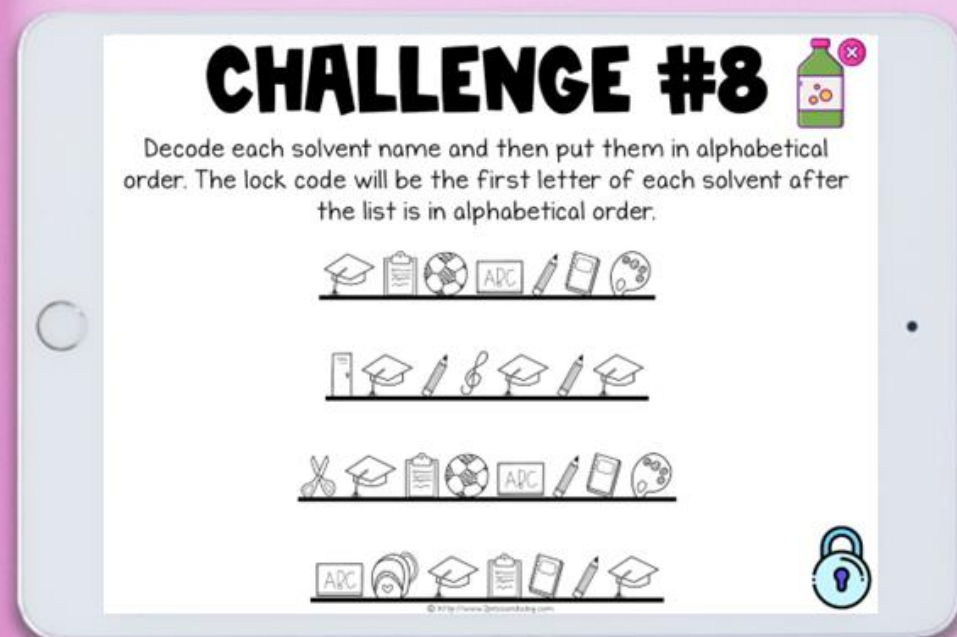


# PURE SUBSTANCES & MIXTURES DIGITAL ESCAPE ROOM

## EDITABLE & DIGITAL



# RESOURCE INCLUDES

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



"As always, a great resource! Thanks!"  
– Jamie S.

# 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

## ALL TANGLED UP!



Your science class is on an environmental clean up trip, separating the mixtures of garbage and natural sea elements using nets and hands. You are finding cans of paint, tires, fishing nets, and all types of other debris that people have carelessly disposed of, causing them to end up here. You see something dark in the distance and decide to go check it out to see if it's a boulder or a large fishing net before you ask a friend for help. When you reach it, you see it is in fact an extremely large fishing net! You are so excited to remove this from the ocean, so you don't even wait for help. You try to get under the middle of it so you can drag it on your back. It doesn't take long before you realize the net is simply too large for one person and you are tangled inside of it. Solve the next ten locks to try and get out from the net!

# SAMPLE CHALLENGE

## CHALLENGE #3

Label each homogeneous mixture with the number 1. Label each heterogeneous mixture with a number 2. The lock code will be a combination of the example letters with the correct, corresponding letter (e.g., A2).

- A. Chocolate Chip Cookies
- B. Coffee
- C. Cereal in Milk
- D. Ice Cubes in a Beverage
- E. Blood
- F. Pizza
- G. Air
- H. Liquid Laundry Detergent



**STUDENTS USE  
THEIR  
KNOWLEDGE  
OF MIXTURES  
TO SOLVE THIS  
CHALLENGE**

# LESSON FORMAT



**DIGITAL**

✓ Editable Google Form

A screenshot of a Google Form interface. At the top, there is a header image of several colorful plastic bottles (blue, yellow, green, cyan, orange, red, light green) lined up. Below the image, the form is titled "Section 1 of 15" and "Pure Substances and Mixtures Digital Escape Room". The form contains three text input fields: "First Name \*", "Last Name \*", and "Class Code or Period \*", each with a "Short answer text" label and a dotted line for input. The form also includes a close button (X) and a menu button (three dots) in the top right corner of the form area.

Section 1 of 15

Pure Substances and Mixtures 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**



# LOVE DIGITAL ESCAPE ROOMS?


## DIGITAL ESCAPE ROOM MEGA BUNDLE

**EDITABLE & DIGITAL**

**CHALLENGE #1** 

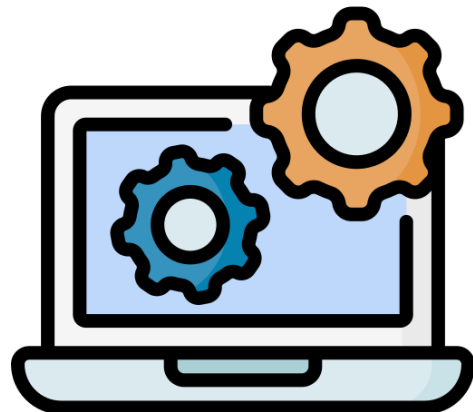
Watch the linked video and answer the questions below.  
Use the answers to create the eight-letter code.

1. Who are the experts that design bridges? A. Mechanics B. Engineers C. Teachers D. Financial Analysts	3. What are strong materials that large, sturdy bridges are often made of? A. Iron and steel B. Plastic and copper C. Steel and plastic D. Copper and iron
2. Which bridge is said to be the world's busiest bridge? A. Golden Gate Bridge B. Sydney Harbor Bridge C. Confederation Bridge D. George Washington Bridge	4. What is the most basic type of bridge? A. Arch bridge B. Suspension bridge C. Beam bridge D. Truss bridge



**11 DIGITAL  
ESCAPE ROOMS**

2 Peas  
and a  
Dog



## DIGITAL ESCAPE ROOM MEGA BUNDLE

Get 11 exciting digital escape rooms to entertain and educate your middle school students. These digital escape rooms reinforce critical thinking, problem solving and literacy skills.

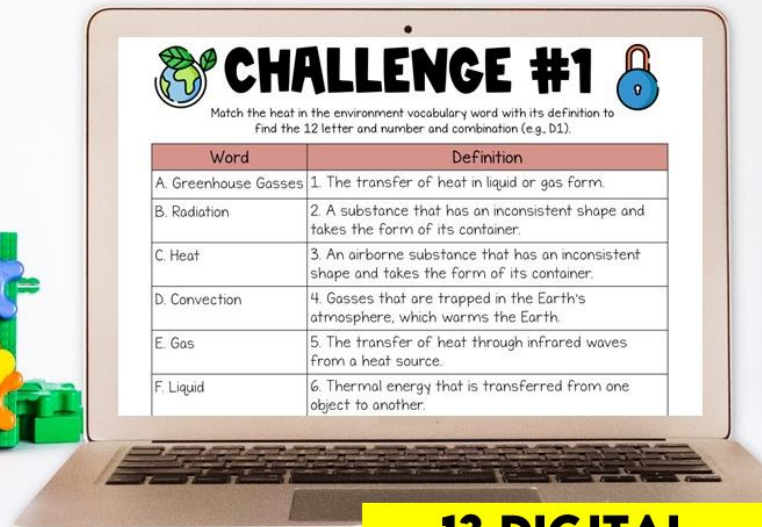
Purchase this bundle by clicking [here](#).

# TEACH SCIENCE?



## DIGITAL ESCAPE ROOM SCIENCE BUNDLE

**EDITABLE & DIGITAL**



### CHALLENGE #1

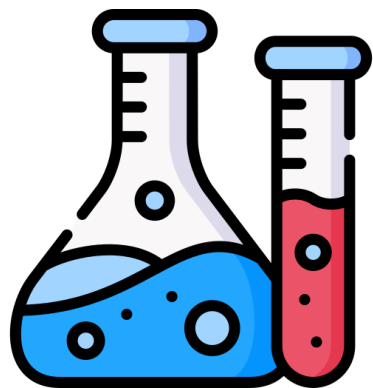
Match the heat in the environment vocabulary word with its definition to find the 12 letter and number combination (e.g. D1).

Word	Definition
A. Greenhouse Gasses	1. The transfer of heat in liquid or gas form.
B. Radiation	2. A substance that has an inconsistent shape and takes the form of its container.
C. Heat	3. An airborne substance that has an inconsistent shape and takes the form of its container.
D. Convection	4. Gasses that are trapped in the Earth's atmosphere, which warms the Earth.
E. Gas	5. The transfer of heat through infrared waves from a heat source.
F. Liquid	6. Thermal energy that is transferred from one object to another.

**13 DIGITAL  
ESCAPE ROOMS**

# SCIENCE DIGITAL ESCAPE ROOM BUNDLE

Get 13 exciting digital escape rooms to entertain and educate your middle school students. These digital escape rooms reinforce critical thinking, problem solving, science and literacy skills.



Purchase this bundle by clicking [here](#).