

# HEAT IN THE ENVIRONMENT DIGITAL ESCAPE ROOM

**EDITABLE & DIGITAL**

## **CHALLENGE #5**

How many sweat glands are in the human body?  
Use the Morse Code cipher to decode the answer.

.     ..-    .--   /   -   ---   /  
      ..-    ---   ..-   .-.   /  
--    ..    .--..   .--..   ..   ---   -.

2 Peas  
and a  
Dog

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**2 Peas and a Dog**

Middle School Teaching Resources

# RESOURCE INCLUDES

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



"My students loved using this resource! It was a time saver!!! Students were engaged the whole time!" - Sarah Blanchard

# 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

## A HEATED ESCAPE



You are on a school trip to learn about heat in the environment at the Science Centre. While the class is learning about all of the fossil fuels that are burnt due to road transportation, you wander over to the farm exhibit, as you are intrigued by the cows you saw from the bus. Suddenly, the farm manager throws a pair of rubber overalls at you and tells you, "Come on! Time to get the mucking done before the rain!" You try to explain to her that you don't work there, but she's already gone! Solve the next 10 challenges to find your way back to your class before they notice you are missing.

# SAMPLE CHALLENGE



## CHALLENGE #1

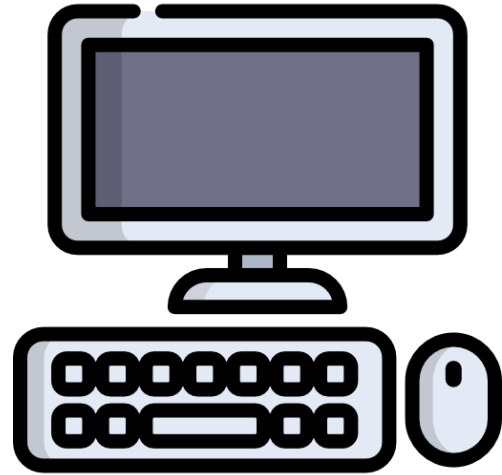


Match the heat in the environment vocabulary word with its definition to find the 12 letter and number and combination (e.g., D1).

Word	Definition
A. Greenhouse Gases	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. Gases 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.

**STUDENTS USE  
THE  
VOCABULARY  
WORDS TO  
SOLVE THIS  
CHALLENGE**

# LESSON FORMAT



**DIGITAL**

✓ Editable Google Form


A screenshot of a Google Form titled "Heat in the Environment - Digital Escape Room". The form is displayed in a window with a header image of cows in a field. The form includes a progress indicator "Section 1 of 15" and instructions: "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 with a "Short answer text" label and a dotted line for input.

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

# LOVE DIGITAL ESCAPE ROOMS?


## DIGITAL ESCAPE ROOM MEGA BUNDLE

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**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

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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.

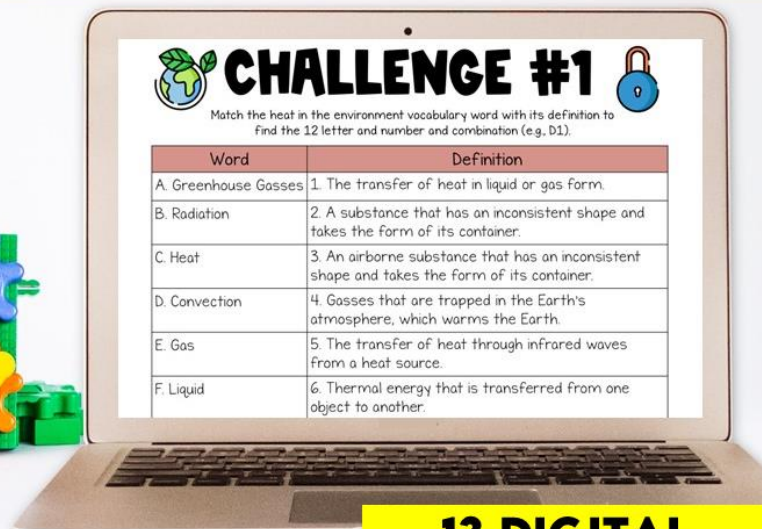
Purchase this bundle by clicking [here](#).

# TEACH SCIENCE?



## DIGITAL ESCAPE ROOM SCIENCE BUNDLE

**EDITABLE & DIGITAL**



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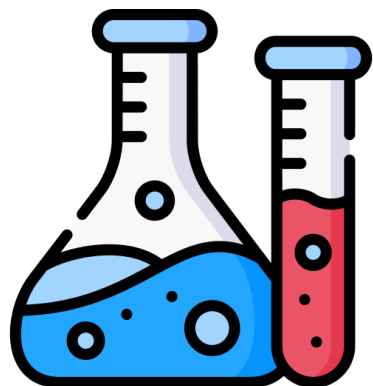
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**13 DIGITAL  
ESCAPE ROOMS**

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# 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.



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