

MISSION: Three scientific diagrams are carved into the stone door. Solve all three parts → collect the 3-digit code! ✂

Name: _____

Team: _____

PART A — The Water Cycle · Code digit 1

Label the 5 stages of the water cycle. Write the correct word in each box.

Word bank: evaporation · condensation · precipitation · collection · transpiration

Code digit 1: If all 5 are correct, your first digit is **2**

PART B — Mediterranean Food Web · Code digit 2

Study the food web. One organism has been removed and replaced with ?

SUN	→	Grass & Shrubs
Rabbit	→	Fox → Eagle
Grasshopper	→	Lizard → ? → Eagle

B1. What animal should replace ?? (hint: it eats lizards, it is eaten by eagles)

My answer: _____

B2. What would happen to grasshoppers if all lizards disappeared? (one sentence)

My answer: _____

Code digit 2: If B1 = snake, your second digit is **4**

PART C — Properties of Materials · Code digit 3

Classify each material. Write ✓ in the correct column(s). Then answer C4 and C5.

C1–C3: State of matter

Material	Solid	Liquid	Gas
Iron	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Petrol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Steam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

C4. Which of these materials conduct electricity? Circle them:

Iron	Water	Oxygen	Wood	Petrol	Steam
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Circle the materials that let electricity pass through them.

C5. Which of these materials are transparent? Circle them:

Iron	Water	Oxygen	Wood	Petrol	Steam
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Circle the materials you can see through.

Code digit 3: 6/6 state correct + C4 + C5 correct → your third digit is **7**

Part A

2

digit 1

Part B

4

digit 2

Part C

7

digit 3

CODE SEGMENT: 2 – 4 – 7 = 247

Write this code in your Final Vault Booklet!