

Compounds and Their Uses

Use this worksheet after reading the lesson to practise the key ideas and prove you can meet the success criteria.

Name _____

Date _____

Class _____

1. Key Ideas

This lesson brings compounds back into the unit and shows that compounds can have uses and properties that differ from their constituent elements.

- compounds can have useful properties
- a compound is not just a simple mix of its elements

2. Success Criteria

By the end, you should be able to:

- compounds can have useful properties
- compound properties can differ from constituent elements
- elements and compounds can both be explained through property-use reasoning

3. Key Terms

Key idea

The central concept from Compounds and Their Uses.

Evidence

Information, observations or calculations used to support an answer.

Explain

Give a reasoned answer that links cause and effect.

Apply

Use a learned idea in a new example, problem or scenario.

4. Activity: Build the Lesson Map

Use the lesson to complete the table. Keep answers brief but specific.

Prompt	Your answer
Main concept	
Important example	
Common mistake to avoid	
How this links to the next lesson	

5. Short Answer Questions

1. Explain this lesson goal in your own words: "compounds can have useful properties". Use one specific example from the lesson.

CORE

2. Apply this idea to a new example: "compound properties can differ from constituent elements". Show your reasoning clearly.

CORE

3. Analyse why this idea matters for understanding Compounds and Their Uses: "elements and compounds can both be explained through property-use reasoning".

REASONING

6. Extend: Apply the Idea

A student says, "I understand Compounds and Their Uses because I memorised the definition."

Explain why memorising a definition is not enough. Use an example from the lesson to show deeper understanding.

7. Multiple Choice

1. What is the best first step when answering a question about Compounds and Their Uses?

- A. Identify the key concept being tested
- B. Write every fact from memory
- C. Ignore the command word
- D. Skip examples and evidence

2. Which answer would show stronger understanding of Compounds and Their Uses?

- A. An answer with accurate terms and reasoning
- B. A copied definition only
- C. A single-word response
- D. An answer with no example

3. What should you do if a question asks you to explain?

- A. Link the idea to a reason or cause
- B. List unrelated facts
- C. Only draw a diagram
- D. Write the shortest possible answer

8. Success Criteria Proof

Finish with evidence that you can do each success criterion.

SUCCESS CRITERION 1

Prove that you can: compounds can have useful properties

SUCCESS CRITERION 2

Prove that you can: compound properties can differ from constituent elements

SUCCESS CRITERION 3

Prove that you can: elements and compounds can both be explained through property-use reasoning

One thing I still need help with:
