

Properties of Elements and Why They Matter

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 opens the final block by linking broad element properties directly to why substances are useful.

- elements have observable properties
- property-use links are stronger than memorised fact lists

2. Success Criteria

By the end, you should be able to:

- elements have observable properties
- properties help explain uses
- different properties matter for different jobs

3. Key Terms

Key idea

The central concept from Properties of Elements and Why They Matter.

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: "elements have observable properties". Use one specific example from the lesson.

CORE

2. Apply this idea to a new example: "properties help explain uses". Show your reasoning clearly.

CORE

3. Analyse why this idea matters for understanding Properties of Elements and Why They Matter: "different properties matter for different jobs".

REASONING

6. Extend: Apply the Idea

A student says, "I understand Properties of Elements and Why They Matter 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 Properties of Elements and Why They Matter?

- 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 Properties of Elements and Why They Matter?

- 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: elements have observable properties

SUCCESS CRITERION 2

Prove that you can: properties help explain uses

SUCCESS CRITERION 3

Prove that you can: different properties matter for different jobs

One thing I still need help with:
