SCIENCE YEAR 8 - UNIT 2 - LESSON 17

Uses of Elements in Everyday Life and Technology

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 uses familiar examples to strengthen property-based explanations for common elements in daily life and technology.

- named examples can be explained from properties
- examples should illustrate the rule, not replace it

2. Success Criteria

By the end, you should be able to:

- named examples can be explained from properties
- everyday uses connect science to real life
- property-based reasoning works across different elements

3. Key Terms

Key idea
The central concept from Uses of Elements in Everyday Life and Technology.

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: "named examples can be explained from properties". Use one specific example from the lesson.

CORE

2. Apply this idea to a new example: "everyday uses connect science to real life". Show your reasoning clearly.

CORE

3. Analyse why this idea matters for understanding Uses of Elements in Everyday Life and Technology: "property-based reasoning works across different elements".

REASONING

6. Extend: Apply the Idea

A student says, "I understand Uses of Elements in Everyday Life and Technology 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 Uses of Elements in Everyday Life and Technology?

☐ 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 Uses of Elements in Everyday Life and Technology?

☐ 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: named examples can be explained from properties

SUCCESS CRITERION 2

Prove that you can: everyday uses connect science to real life

SUCCESS CRITERION 3

Prove that you can: property-based reasoning works across different elements

One thing I still need help with: