

Tests for gases: H₂, O₂, CO₂, Cl₂

Q1. (2019)

0 1 . 2 What is used to test for each of the gases?

Draw **one** line from each gas to the test for the gas.

[2 marks]

Gas	Test
	A glowing splint
Carbon dioxide	A lighted splint
Oxygen	Limewater
	Litmus paper

Q2. (2020)

0 6 . 2 Describe the test for carbon dioxide.

Give the result of the test.

[2 marks]

Test _____

Result _____

Q3. (2020)

0 6 . 4 Describe the test for hydrogen.

Give the result of the test.

[2 marks]

Test _____

Result _____

Q4. (2022)

0 1 . 2 What is used to test for oxygen gas?

[1 mark]

Tick (✓) **one** box.

A burning splint ☐

A glowing splint ☐

Damp litmus paper ☐

Limewater ☐

Q5. (2023)

0 3 . 6 The test for chlorine uses damp litmus paper.

Complete the sentence.

Choose the answer from the box.

[1 mark]

blue

green

white

When damp litmus paper is put into chlorine gas

the litmus paper turns _____.

Q6. (2024)

Anhydrous copper sulfate can be used to test for water.

The word equation for the reaction is:

anhydrous copper sulfate + water $\rightleftharpoons$ hydrated copper sulfate

A)

0 2 . 2 Complete the sentence.

Choose answers from the box.

[2 marks]

blue

green

red

white

yellow

When water is added to anhydrous copper sulfate, the colour changes

from _____ to _____.

B)

0 2 . 3 The reaction between anhydrous copper sulfate and water is reversible.

How does the word equation show that the reaction is reversible?

[1 mark]

Q7. (2024)

0 2 . 5 Chlorine is a gas.

Describe the test for chlorine.

Give the result.

[2 marks]

Test _____

Result _____