

Fireworks

Investigating blackpowder

Demonstration

An explosion!

Blackpowder is a mixture of three things so the reaction is complicated. Instead, watch the demonstration, which shows how blackpowder works.

Results

Write down what you saw:

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Questions

1. Write down the formulae of the chemicals in the experiment.

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2. Which chemical is acting as the fuel?

3. Which chemical supplies oxygen?

4. Complete the word equations for these two reactions:

carbon + oxygen →

sulfur + oxygen →

Are the products of these two reactions solids, liquids or gases at room temperature?

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5. Why does the explosion happen?

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