

Name:..... Date:.....

Demonstration: The hydrogen – oxygen rocket

In a chemical reaction, new substances are made which did not exist before. When this happens, new chemical bonds form between the particles. When chemical bonds form, energy is released.

What you do

Watch the hydrogen-oxygen rocket demonstration then answer the questions.

Questions

1. How do you know that energy is released when hydrogen and oxygen combine?

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2. What is the energy used for?

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3. How do you know that water is made in the reaction?

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4. Where does the water go to?

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5. If the reaction happened in a car engine:

a) what would the energy be used for?

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b) where would the water go?

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6. Explain why cars would need to use a different system to the rocket.

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