

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

## Fuelling the fuel cell

### Water, water!

The key to understanding how fuel cells work is to know more about water.

#### What you need

- Molecular modelling kit

#### What you do

1. Make two molecules of hydrogen, H<sub>2</sub> and one molecule of oxygen, O<sub>2</sub> using the modelling kit.
2. Now break up these molecules and reform them into water molecules, formula H<sub>2</sub>O.

#### Questions

1. Write down the equation for the reaction between hydrogen and oxygen to make water. Remember to balance the equation.

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2. Write one sentence which describes what happens when hydrogen and oxygen combine.

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3. What must happen to get the hydrogen and oxygen back again?

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