

Name:	Class:
Teacher:	Date:

Combustion of polystyrene

Your teacher will have shown you the following experiment.



1. Does the polystyrene burn easily?

2. Write down what you see when the polystyrene burns.

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3. Name the products of combustion of polystyrene and write a word equation for the reaction.

4. How did your teacher identify the presence of carbon dioxide?

5. How can the combustion of polystyrene be dangerous?

Extra:

Given that the chemical formula of polystyrene is $(\text{CH}_2\text{CHC}_6\text{H}_5)_n$ (n is a large number) try and write a balanced chemical equation for the reaction.