

## Time-of-flight mass spectrometry triominoes

**Education in Chemistry**

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Catherine Smith

This activity accompanies the article *Pollution in your home: rsc.li/2OZbzX4*

There are four stages in TOF-MS:

- ionisation (either electron impact or electrospray);
- acceleration;
- flight tube;
- detection.

Students sort the information about each of the four stages by arranging the triominoes.

Photocopy sets of triominoes and cut them up. Give small groups of students the central black triangles and the outer triangles separately, and ask them to match three outer triangles to each of the relevant central triangles.



