

## Working with multiple representations

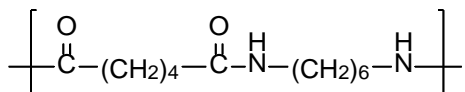
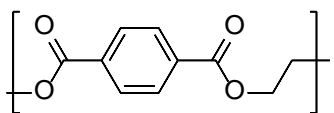
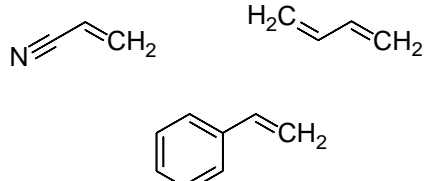
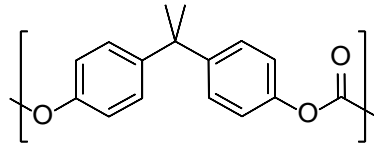
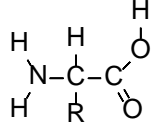
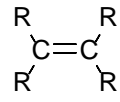
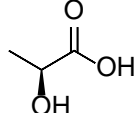
### Education in Chemistry

July 2017

[rsc.li/EiC417-medical-plastics](http://rsc.li/EiC417-medical-plastics)

This experiment accompanies the above article 'Body, heal thyself'.

In this activity you are given representations (diagrams or formulae) for substances mentioned in the article. Some will already be familiar and you will only need to find where they are mentioned in the article and fill in the further information. For others, you may need to read the article, find the substances and search the internet to find their common representations.

| Representation  | Name                                     | Further information |
|---|--|---------------------|
|    | nylon                                    |                     |
|    | poly(ethylene terephthalate)<br>(PET)    |                     |
|   | acrylonitrile butadiene styrene<br>(ABS) |                     |
|  | polycarbonate                            |                     |
|  | amino acids                              |                     |
|  | alkenes                                  |                     |
|  | lactic acid                              |                     |
| $\text{Ca}_5(\text{OH})(\text{PO}_4)_3$   | nano-hydroxyapatite                      |                     |
| $\text{Ca}_3(\text{PO}_4)_2$  | calcium phosphate                        |                     |
| $\text{F}^-$  | Fluoride                                 |                     |