

Mechanisms

Have a go at drawing curly arrows to show the movement of electrons in each of the following reactions. Try doing just the first step initially (the first curly arrows), then if you are feeling confident, try drawing the intermediate (what would be formed from your first step) and then see if you can finish the reaction with more curly arrows.

For huge bonus points, name your organic product!

Think about the position of lone pairs, polar bonds and weaker bonds.

Each step in your mechanism should have a **maximum** of two curly arrows.

- a) But-2-ene + HCl
- b) 1-Bromoethane + OH⁻
- c) CN⁻ + CH₃CHO
- d) C₂H₅OH + HCOOH

Extension (you'll need to have a look at the further reading first....)

- e) But-1-ene + H₂O