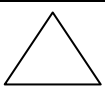
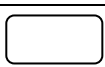



Lolly stoichiometry

What you need

- 5 snow cones
- 4 mini milky ways
- 10 raspberries

You will be provided with the following equipment and will need to measure the masses:

Lolly	Mass (to the nearest gram)
5 Snow cones 	
4 Mini milky ways (in packs of 2) 	
10 Raspberries (in packs of 2) 	



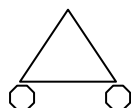
You will also be provided with toothpicks.

Rules

1. Lay out some paper on your desk before you begin.
2. Build the objects below using toothpicks to hold the lollies together.
3. Mini milky ways and raspberries can only be taken out of packets in pairs and can only be put back in packets in pairs. They can never be in a packet alone.
4. You will need to record the reactants, products and their masses as you go.
5. It is important that you do not eat the lollies during the activity. You must wait until the end of the activity.

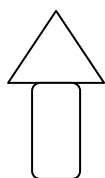
Build the following objects:

A. UFO – 2 pronged. (When completed please dismantle.)



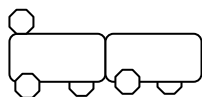
Reactants	Products

B. Rocket (When completed please dismantle.)



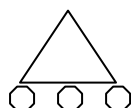
Reactants	Products

C. Moon buggy. (When completed please dismantle.)



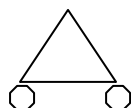
Reactants	Products

D. UFO - 3 pronged



Reactants	Products

E. Use the UFO – 3 pronged – and convert it to a UFO – 2 pronged. It is important that you record the *by-product*. (Hint: remember that Raspberries can only exist in pairs. You may need to build more than one UFO – 3 pronged.)



Reactants	Products

F. Use UFOs - 2 pronged - and convert them to moon buggies without using new packs of raspberries. (Hint: you will need to build more than one UFO – 2 pronged.)

Reactants	Products