## Appendix 3: Bubble Dialogue Sheets

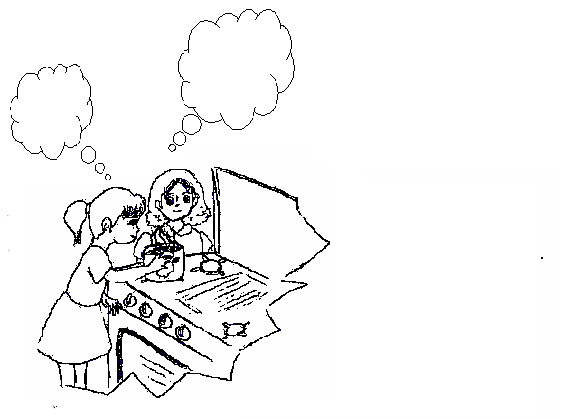
Sheet 1: Chemical and Physical changes

Sara and Madeline are frying some eggs for breakfast. They are

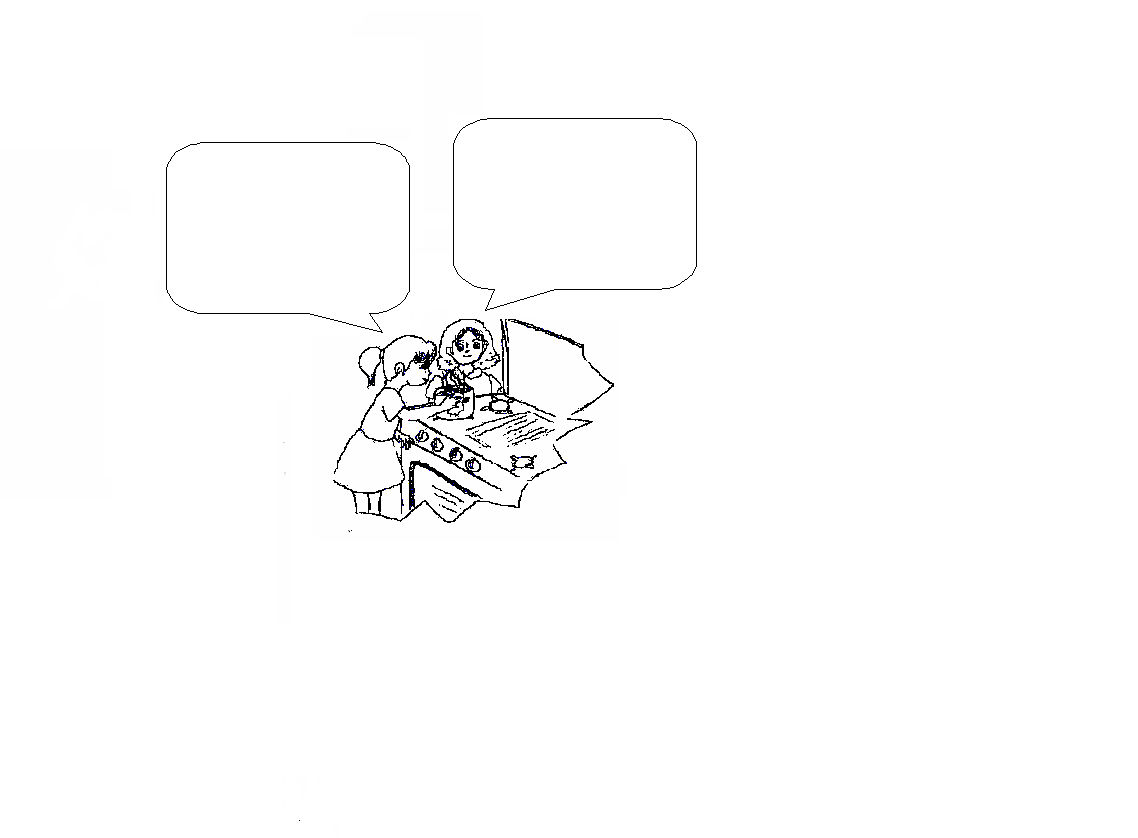
looking at the bubbles in the boiling water and wondering where

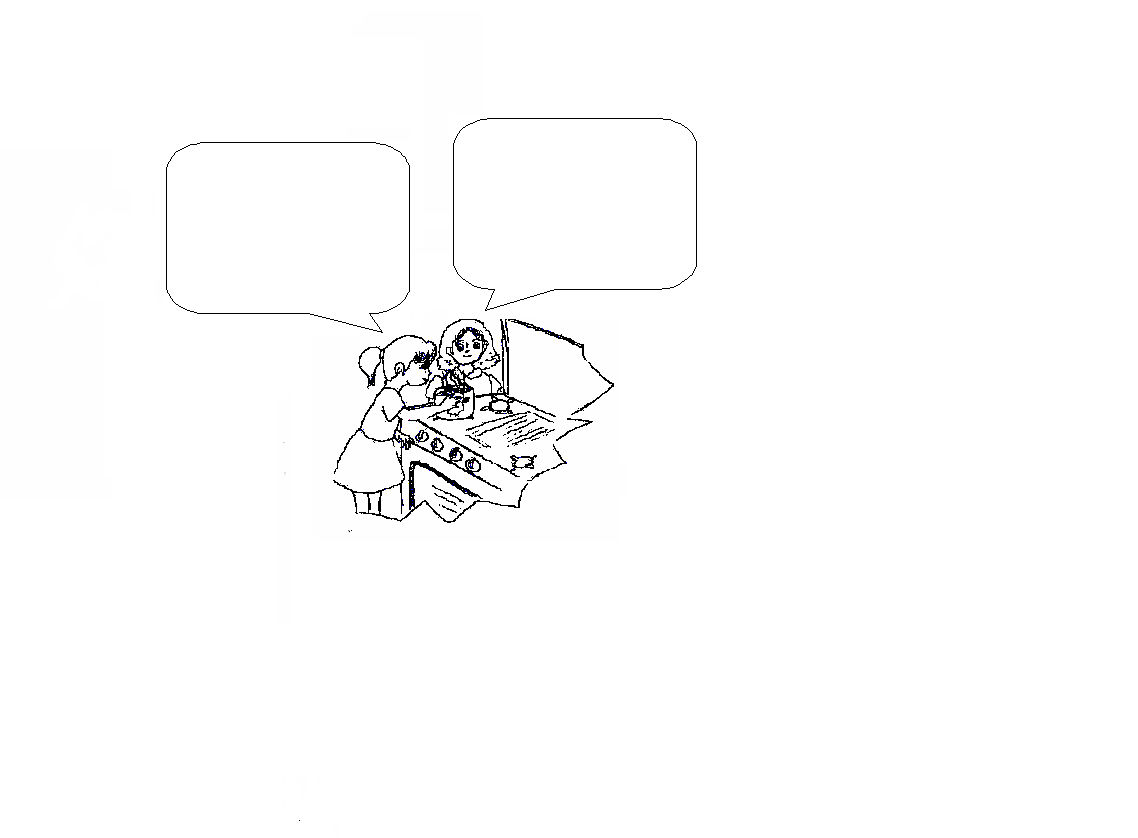
do these bubbles come from and what is actually happening to the

water and eggs?!



Notes:





Sheet 2: Chemical and Physical changes

Amal and Jasmin put some vinegar in a glass and added some

bicarbonate of soda to it. They are looking at the rising bubbles

and thinking about what has happened when mixing the

bicarbonate with the vinegar?!



Notes:

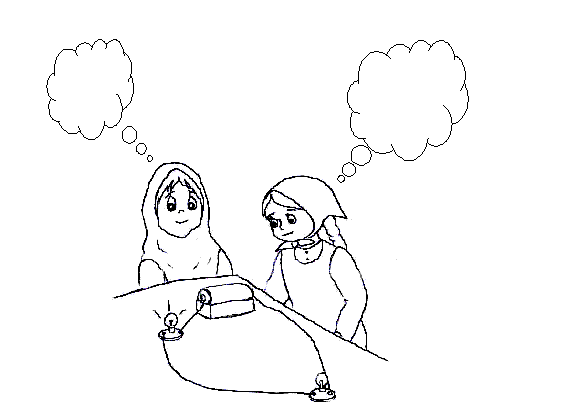
Sheet 3: Electric Circuit

Muna and Salma connected the electric circuit as shown below. The

red bulb lit brightly but the green bulb was dim. Muna suggested

swapping the two bulbs over to make the green bulb lit brightly, but

Salma did not agree!!



Notes:

Sheet 4: Electric Circuit

Widad and Farah connected an electric circuit using two batteries and

two bulbs. Widad is thinking what will happen to the brightness of

the two bulbs when one battery is removed. Farah is wondering

what will happen to the brightness of one bulb if the other bulb

is removed and the two batteries are kept.



Notes: