



Name: Form:

Based on pages 22 and 23 of *Dissolving*

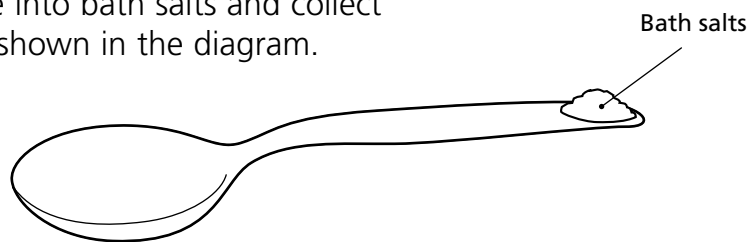
Hard water, soft water

Try this...

1. Measure out a volume of water A and pour it into a beaker.

2. Repeat step 1 with water B and water C.

3. Dip a spoon handle into bath salts and collect as much bath salts as shown in the diagram.



4. Stir the bath salts into water A for 20 seconds, and note the amount of lather and cloudiness.

5. Repeat steps 3 and 4 with water B and water C.

6. Leave each water sample for 5 minutes, then compare the lather and cloudiness again, and enter your comments in the table.

Water	Amount of lather	Water clear/cloudiness after 5 minutes
A		
B		
C		

7. The amount of calcium in the three samples of water were:

A mg/l B mg/l C mg/l

On the back of this sheet, make a bar graph of these readings and work out how much calcium your volume of A, B and C contain.

8. Check your answers with your teacher, then label each column in the bar graph according to the teacher's answers.