

1. Look at each of the following, and decide whether each is a **MIXTURE**. Answer YES or NO in the box provided. Then give a reason for your decision.

SUBSTANCE (S)	MIXTURE... OR NOT?	REASON
Sweet, milky, coffee.		
Iron rod		
Strawberry jam		
Crude oil (petroleum)		
Household icing sugar		

2. A bottle of lemonade consists of several substances. Often these are:

- | | | |
|-----------------|--------------------|-------------------|
| i. water | ii. carbon dioxide | iii. citric acid |
| iv. flavourings | v. sweeteners | vi. preservatives |

- a) The lemonade is a particular type of mixture called a solution. What is a solution?

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- b) Which of these are the solutes?

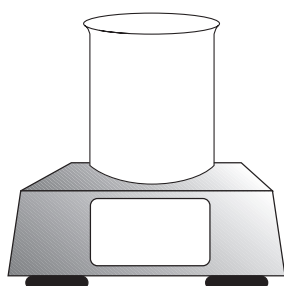
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- c) Which is a solvent?

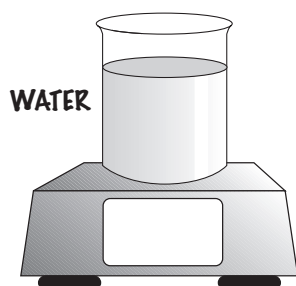
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3. Yvonne took 20 grams of salt and then stirred this into 100cm³ of distilled water, in a beaker, on a balance. Complete the diagrams below. The beaker weighed 50grams. 1 cm³ of water weighs 1 gram. Put in the reading which would be seen on the scale.

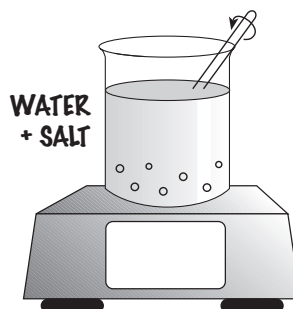
a)



b)



c)



d)

