## Dissolving sugar and salt

## This task is about critiquing a plan for an investigation.

Dylan wanted to find out whether water with dissolved salt evaporated faster than water with dissolved sugar. Here is the plan he wrote for his investigation:

- 1. Mix 3 teaspoons of salt in half a cup of warm water.
- 2. When the salt is dissolved, pour the solution into a saucer and put it on the window sill.
- 3. Mix 2 teaspoons of sugar in half a cup of warm water.
- 4. When the sugar is dissolved put the cup on the window sill.
- 5. Check the solutions at 2 p.m. every day. When all the water has evaporated from the containers the answer will be known!

a) There are some problems with Dylan's plan which means that it is not a "fair test".	
Write down <b>two</b> of the problems.	
b) Should Dylan always check both solution	ons together?
O Yes	O No
c) Give a reason for your answer.	