**Solutions Activity 1: How concentrated is Tang?**This is NOT a formal lab

Package directions suggest that Tang is prepared by dissolving 1 tablespoon of Tang to make 125mL of beverage. The drink mix is mostly sugar (C12H22O11), and we can use this formula to estimate its molar mass.

***Question:*** ***How strong is Tang, when prepared according to package directions? Calculate your answer in 3 formats: grams per litre, percent composition, and molar concentration.***

***Procedure:***

1. Decide what data you will need to measure/record about the Tang and about the water, in order to make the calculations below. Make a plan BEFORE you start.

Some measurements must be taken before you mix the Tang powder with water.
It will help to think about which units you need in each case.

1. Collect and record your data.
2. Mix the drink
3. Calculate the following:

The strength of the Tang in grams per litre

The strength of the Tang in % (by mass)

The molar concentration of the Tang