

Planning an Experiment into Solubility

1. Background Information

Use the space below to write an introductory paragraph about solutions.

Words to use: solution, saturated, solute, solvent, solubility.

2. Method

Use the space below to write a clear method for adding 10g of solute at a time to a 25ml beaker of room temperature water until it is fully saturated. Then repeat with different temperatures of your choice.

3. How the Particles Look Inside

Draw two beakers showing the particles inside of them.

Beaker A (water only)

Beaker B (water and solute)

4. Risk Assessment

Complete the table to consider any safety issues in this practical. The first one has been given as an example.

Hazard	Harm	How You Will Prevent Injuries
glass beaker	Could break and cut skin.	Keep floor clear and hold beaker securely; place in middle of table; wear goggles.

5. Variables

a. The independent variable is: _____

b. The dependent variable is: _____

c. Some control variables are:

d. How we will monitor them:

6. Prediction

I predict that _____

I think this because (What is the science behind this idea?) _____
