

## Planning sheet<sup>1</sup>

**Title:**

**Aim(s):**

**Introduction:**

**A.** What is the problem you are investigating?

**B.** What is your hypothesis(es) and prediction?

**C.** Why do you think this will happen? (Explanation using scientific reasons.)

**D.** List of all the variables that could possibly involved

**E.** Identify the following (if more than one experiment, divide space into two or more columns and identify variables for each experiment):

Independent variable:

Dependent variable:

Controlled variables:

**F.** Outline of method (don't give details of quantities and apparatus here):

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<sup>1</sup> This sheet is provided to help you write proposals for planning experiments. When this sheet is completed you will have most of the elements for a proposal. Proposals you actually submit for grading must be in the format of a planning report.

**G.** What and how many measurements will be made? What qualitative observations will be recorded? What other data (such as constants) will be obtained?

**H.** How will the data be analyzed to obtain a result(s)?

**I.** What conclusion would you draw from the result(s)? (May be written as “if...then...” statement.)

**J.** List of chemicals, their quantities, glassware, and instruments required:

**K.** Budget:

**Procedure:**

**Observation:**

(How will data collected be organized and presented?)

*NB: Proposals will be judged on safety and quantity. They will **not** be judged initially as to whether they will work or not!*