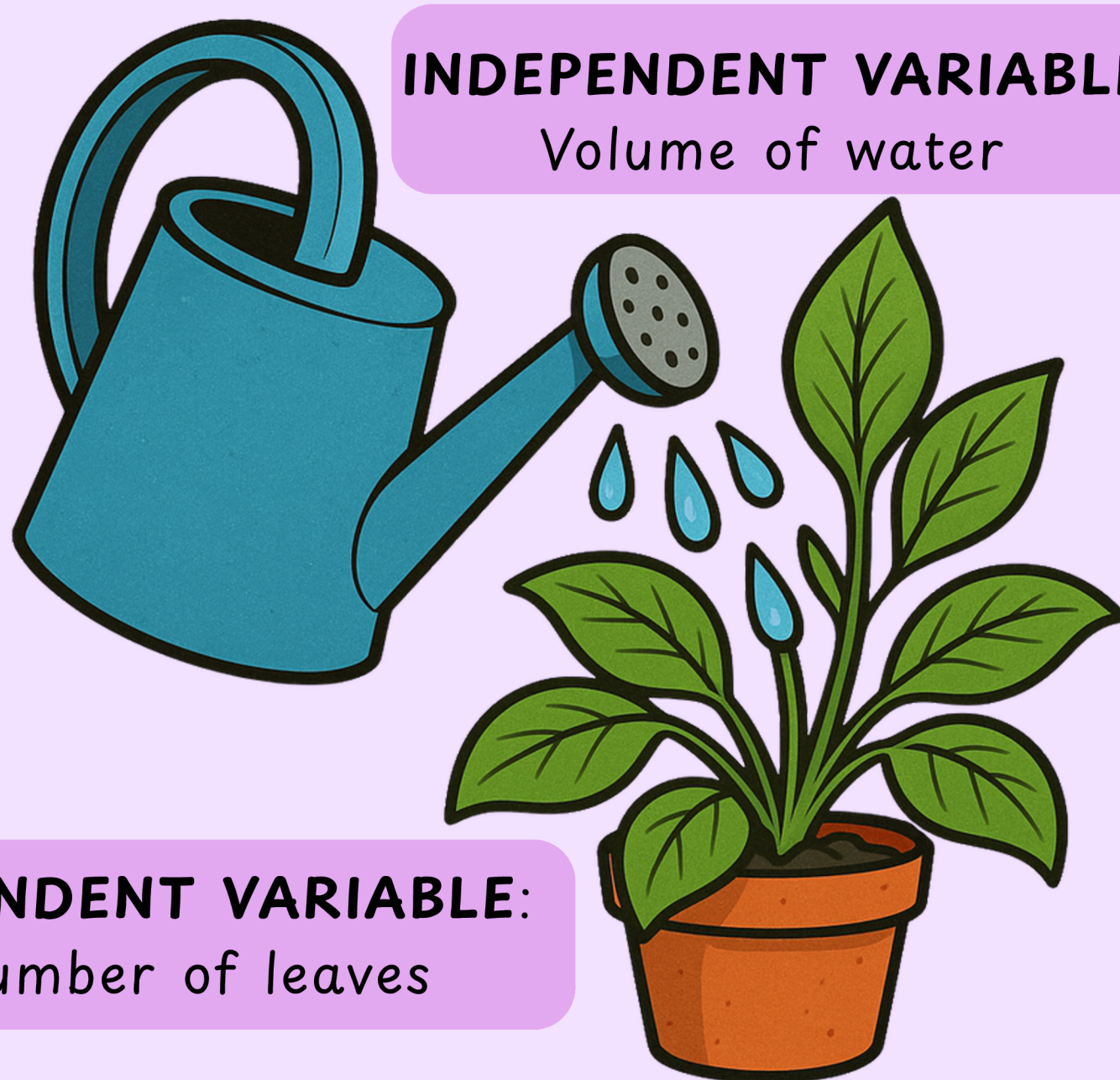


National 5 Biology Assignment

THE AIM

The purpose of your investigation. The aim always includes both the **independent** and **dependent variables** and what aspect of each is **changed** or **measured**.



INDEPENDENT VARIABLE:
Volume of water

DEPENDENT VARIABLE:
Number of leaves

AIM

To investigate the effect of volume of water on number of leaves in a green plant.

Read through these experiments and identify the:

1. The independent variable
2. The dependent variable
3. The Aim

1. Different caffeine concentrations are given to several people, and their reaction times are measured.

Independent variable:

Dependent variable:

Aim:

2. Several materials are wrapped around a beaker of hot water, and the temperature drop is measured after 10 minutes.

Independent variable:

Dependent variable:

Aim:

3. People exercise for different lengths of time, and their heart rate is recorded immediately after.

Independent variable:

Dependent variable:

Aim:

4. Three different types of fertiliser are added to plants, and their growth is measured after two weeks.

Independent variable:

Dependent variable:

Aim: