

Name: _____

Class: _____

WORKSHEET**2.1 Investigating**

Rule a single line to match each term in List A with the correct description in List B.

List A

Independent variable

Dependent variable

Controlled variables

Experimental group

Control group

Experimental error

Hypothesis

Uncontrolled variables

Variable

Data

Repetition

List B

Conditions that are not the same for all groups in an experiment

Information derived from an experiment

Increases the reliability of an experiment

A proposed explanation based on limited evidence; the starting point for an investigation

Something that may change during an experiment

This accounts for why results can only support a hypothesis and not prove it; there are two types: random and systematic

The factor being investigated; this factor is deliberately changed also known as the 'manipulated variable'

The factor that changes in response to the independent variable also known as the 'responding variable'

The factors that are kept the same for all tests and groups within the experiment

This group is being observed to see the effects of changing the independent variable

This group is used for comparison. It gives a base line or normal reading when no variable is changed