

Name: _____

Year 7 - Individual Investigation
What are we eating? - compare the oil content of two different foods.

Food companies often purposefully advertise their product as healthy alternatives to shoppers in order to increase their sales, but are often high in oil. Aside from the oil content in various chip brands, what other foods could you investigate to reveal and compare the true contents of common foods? Examples

- 'Veggie-chips' – are they healthier alternative to normal chips?
- Popcorn – is popcorn a healthier alternative to normal chips? Are some popcorn brands healthier than others?
- Muffins – Do muffins have less oil than chips? Are banana muffins healthier than a chocolate muffin?
- Hot chips – is there more oil in hot chips from the tuck-shop compared with normal chips?

Title: _____

Hints	Features of this part of experiment report
Title	<ul style="list-style-type: none">• Concisely outlines the problem being tested in the form "The Effect of (Independent Variable) on the (Dependent Variable)"

Aim:

Hints	Features of this part of experiment report
Scientific aim	<ul style="list-style-type: none">• Scientific statement linking independent and dependent variables.• Usually begins with To determine, To investigate, To find out... etc

Variables:

Hints	Features of this part of experiment report
Variables	<ul style="list-style-type: none">• To test this idea hypothesis one factor needs to be changed, this is called the independent variable. There is only one independent variable• The effect that is measured, when the independent variable is changed, is called the dependent variable. There is only one dependent variable• Controlled variables are the variables that need to be kept the same in every trial so that it is a fair test (Otherwise results cannot be compared). There are many controlled variables.

Dependent variable _____

Independent variable _____

Controlled variables (state 5 controlled variables)

Variable _____, instrument used to measure it _____, units _____.

Variable _____, instrument used to measure it _____, units _____.

Variable _____, instrument used to measure it _____, units _____.

Variable _____, instrument used to measure it _____, units _____.

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Risk assessment:

Hints	Features of this part of experiment report		
Risk Assessment	<ul style="list-style-type: none">Identify a risk involved in carrying out the experiment and safety precautions (including safety equipment) that can be taken to reduce the risk to yourself and other people. Specify hazard management procedure. See table below.		
Safety Risk Specific potential risk and/or dangerous equipment	Precaution This is what can be done beforehand to reduce the risk of an accident happening	Hazard Management This is what can be done if an accident happens while the investigation is being carried out	

Name: _____

Space for table or graph

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