

Please answer these questions thoughtfully and return the form with your lab report. Each student should complete a survey. It is not necessary to put your name on the survey.

1) Knowledge: How did this module contribute to your ability to:

- a) Understand how the body burns fats and carbohydrates as fuels to obtain energy
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| No idea what happens | Poor idea | Fair idea | Good | The concept is clear |
- b) To use a correlation to determine the basal metabolic rate (BMR)
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| None | Poor | Fair | Good | The concept is clear |
- c) Calculate the rate of energy expenditure using measurements of VO₂ and VCO₂ during respiration
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| None | Poor | Fair | Good | The concept is clear |
- d) Understand and calculate mechanical efficiency
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| None | Poor | Fair | Good | The concept is clear |
- e) Apply the first law of thermodynamics to determine the energy stored as fat in one day.
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| None | Poor | Fair | Good | The concept is clear |

Comments on above topics, please:

Suggestions for improvement on above topics:

2) Interest: How interesting was

- a) The subject material
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dull | Somewhat dull | Take it or leave it | Interesting | Exciting |
- b) The experiment
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dull | Somewhat dull | Take it or leave it | Interesting | Exciting |
- c) The analysis and results as a way to learn engineering calculations
- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dull | Somewhat dull | Take it or leave it | Interesting | Exciting |

Comments on above topics, please:

Metabolism Experiment

Suggestions for improvement on above topics:

3) Difficulty: Please indicate the level of difficulty of

a) The experiment					
1	2	3	4	5	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Impossible and unfair	Too difficult	Challenging and appropriate	Easy	Much too easy	
b) The calculations					
1	2	3	4	5	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Impossible and unfair	Too difficult	Challenging and appropriate	Easy	Much too easy	

Comments on above topics, please:

Suggestions for improvement on above topics:

4) References: Please rate the usefulness of the references. If not applicable, choose N/A

a) Lab Handout					
1	2	3	4	5	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Useless	Somewhat useless	Moderately useful but needs significant improvement	Useful	Very useful	
b) Course Website					
1	2	3	4	5	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Useless	Somewhat useless	Moderately useful but needs significant improvement	Useful	Very useful	

Comments on above topics, please:

Suggestions for improvement on above topics: