

BIO 3A

Results Section Assignment

On the website you will find the data set to be used for this assignment. In this file you will find metabolic data for a group of mice (*Mus musculus*). In the first procedure, the amount of time to utilize 10 ml of oxygen was measured. In the next procedure, these same mice were shaved. The metabolic rate of these mice, lacking a “fur coat” for insulation, was then measured in the same fashion.

The data set gives you the time (in minutes) for the utilization of 10 mls of oxygen. The measurement represents dry air at the given temperature and pressure. The barometric pressure and the temperature for each measurement are shown in the file.

Here is your hypothesis:

The mass specific metabolic rate (mls O₂/g/hr, STPD) of shaved mice will be significantly higher than that of unshaved mice.

And your assignment:

Your job is to write the **Results** section of a paper using the data, this hypothesis and your knowledge of the procedures used. Please consult typical papers in the Reading Room. Remember that a Results section presents that data (figures or tables) and a description of the data.