Name(s)

   Kanishka Reddy

Project Number

S1216

Project Title

Balancing Chemical Equations

Abstract

Objectives/Goals
   Can an Algorith be created to efficiently balance a chemical equation? My objective is to create an algorith capable of accepting input, in the form of a chemical equation, from the user and be able to balance the equation.

Methods/Materials
   1 IBM compatible computer
   1 Borland Turbo C++ Compiler
   1 Windows XP Operating System

Results
   After completing the test chemical equations I found that my algorithm, using a matrix, successfully balanced chemical equations.

Conclusions/Discussion
   My conlusion is that I was able to create an algorithm, incorating a matrix, that is able to balance chemical equations.

Summary Statement

   My project is a program that balances chemical equations.

Help Received

   Professor Rick Yunke for help with coding the program; Dr. Satish Reddy for providing equations to test my program.