Balancing Chemical Equations

$$\alpha C_6 H_{12} O_6 \rightarrow \beta C_2 H_5 O H + \gamma C O_2$$
 Glucose Ethanol

$$6\alpha - 2\beta - \gamma = 0$$
 (C)
 $12\alpha - 6\beta = 0$ (H)
 $6\alpha - \beta - 2\gamma = 0$ (O)

Objectives

- 1. Motivation
- 2. Definitions
- 3. Solve systems of linear equations