



# Balancing Chemical Equations

$$6\alpha = 2\beta + \gamma \quad (\text{C})$$

$$12\alpha = 6\beta \quad (\text{H})$$

$$6\alpha = \beta + 2\gamma \quad (\text{O})$$



Glucose

Ethanol

# Balancing Chemical Equations



$$6\alpha = 2\beta + \gamma \quad (\text{C})$$

$$12\alpha = 6\beta \quad (\text{H})$$

$$6\alpha = \beta + 2\gamma \quad (\text{O})$$

# Balancing Chemical Equations



$$6\alpha - 2\beta - \gamma = 0 \quad (\text{C})$$

$$12\alpha - 6\beta = 0 \quad (\text{H})$$

$$6\alpha - \beta - 2\gamma = 0 \quad (\text{O})$$