

Balancing Equations Practice

Name _____

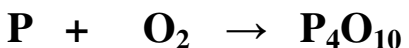
Part A: Identify the following parts of each chemical formula by circling the subscripts and drawing a square around the coefficients.



Part B: List the symbols for the atoms in each formula and give the number of each.



Part C: Balance each of the following equations following the procedure described in class. Be sure to show your work.



P = P =
O = O =



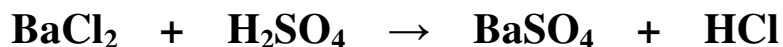
Mg = Mg =
O = O =



Hg = Hg =
O = O =

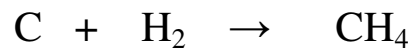
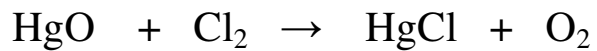
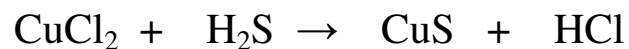
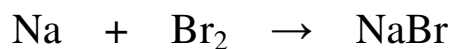
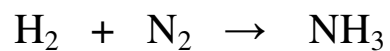
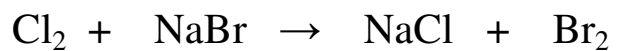


Al = Al =
O = O =

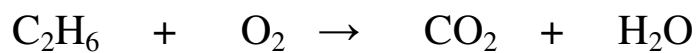


Ba = Ba =
Cl = Cl =
H = H =
S = S =
O = O =

Part D: Practice Problems – Balance each equation using the process from Part C.



Challenge Problem: Give it your best shot!



Balancing Equations Practice

ANSWER KEY

Part A: Identify the following parts of each chemical formula by circling the subscripts and drawing a square around the coefficients.



Part B: List the symbols for the atoms in each formula and give the number of each.



$$\text{C} = 2$$

$$\text{H} = 6$$



$$\text{Mg} = 2$$

$$\text{O} = 2$$



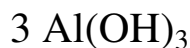
$$\text{P} = 16$$

$$\text{O} = 40$$



$$\text{N} = 1$$

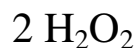
$$\text{H} = 3$$



$$\text{Al} = 3$$

$$\text{O} = 9$$

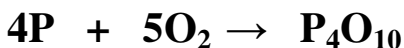
$$\text{H} = 9$$



$$\text{H} = 4$$

$$\text{O} = 4$$

Part C: Balance each of the following equations following the procedure described in class. Be sure to show your work.



$$\text{P} =$$

$$\text{O} =$$

$$\text{P} =$$

$$\text{O} =$$



$$\text{Mg} =$$

$$\text{O} =$$

$$\text{Mg} =$$

$$\text{O} =$$



$$\text{Hg} =$$

$$\text{O} =$$

$$\text{Hg} =$$

$$\text{O} =$$

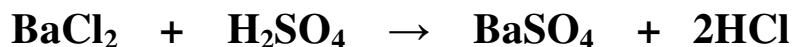


$$\text{Al} =$$

$$\text{O} =$$

$$\text{Al} =$$

$$\text{O} =$$



$$\text{Ba} =$$

$$\text{Cl} =$$

$$\text{H} =$$

$$\text{S} =$$

$$\text{O} =$$

$$\text{Ba} =$$

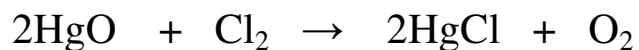
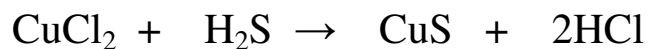
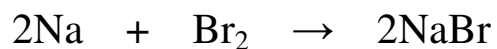
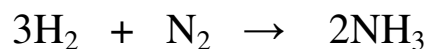
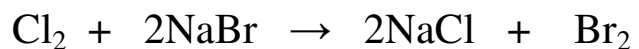
$$\text{Cl} =$$

$$\text{H} =$$

$$\text{S} =$$

$$\text{O} =$$

Part D: Practice Problems – Balance each equation using the process from Part C.



Challenge Problem:

