

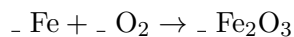
Name: _____ Date: _____ Period: _____

Balancing Chemical Equations

Practice Worksheet

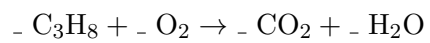
Instructions: Balance each of the following chemical equations by writing the correct coefficients in the blanks provided. For multiple choice questions, circle the letter of the correct answer. Show all work in the space provided. Ensure that the number of atoms of each element is equal on both sides of the equation.

1. Balance the following equation:



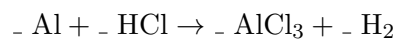
Write the coefficients in the blanks above.

2. Balance the following equation:



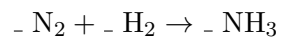
Write the coefficients in the blanks above.

3. Balance the following equation:



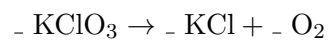
Write the coefficients in the blanks above.

4. Balance the following equation:



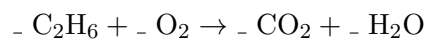
Write the coefficients in the blanks above.

5. Balance the following equation:



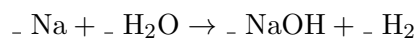
Write the coefficients in the blanks above.

6. Balance the following equation:



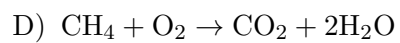
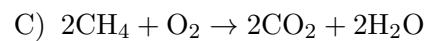
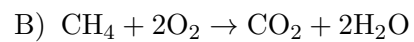
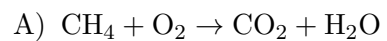
Write the coefficients in the blanks above.

7. Balance the following equation:



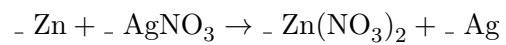
Write the coefficients in the blanks above.

8. Which of the following is the correctly balanced equation for the reaction of methane with oxygen?



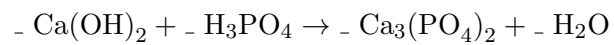
Circle the letter of the correct answer.

9. Balance the following equation:



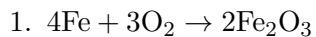
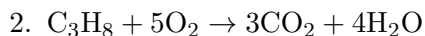
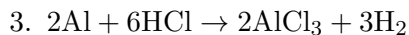
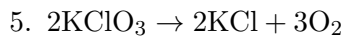
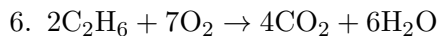
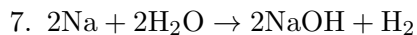
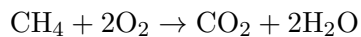
Write the coefficients in the blanks above.

10. Balance the following equation:

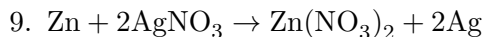
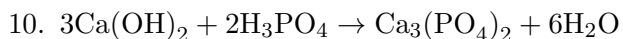


Write the coefficients in the blanks above.

Answer Key

**Coefficients:** 4, 3, 2**Coefficients:** 1, 5, 3, 4**Coefficients:** 2, 6, 2, 3**Coefficients:** 1, 3, 2**Coefficients:** 2, 2, 3**Coefficients:** 2, 7, 4, 6**Coefficients:** 2, 2, 2, 1

Check: C: 1=1, H: 4=4, O: 4=4

**Coefficients:** 1, 2, 1, 2**Coefficients:** 3, 2, 1, 6

Check: Ca: 3=3, O: 6+8=14, 8+6=14, H: 6+6=12, 12=12, P: 2=2