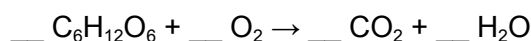


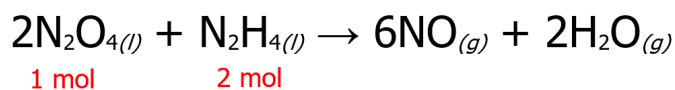
**Directions:** Choose the letter that corresponds to the correct answer.

1. What should be the coefficients of the reaction given below for it to be balanced?



- 1, 6, 3, 6
  - 1, 6, 6, 6
  - 1, 3, 6, 6
  - 1, 6, 6, 3
2. Which of the following statements is/are TRUE?
- In a redox reaction, the species that undergoes oxidation is the oxidizing agent.
  - The oxidation number of reducing agents decreases after a redox reaction.
  - In oxidation half reaction, electron/s is/are written in the reactant side.
  - All of the above
  - None of the above

For numbers 3-5, consider the following reaction:



3. Which is the limiting reactant?
- $\text{N}_2\text{O}_4$
  - $\text{N}_2\text{H}_4$
  - there is no limiting reactant
  - more information needed

4. How many moles of NO will be produced?
- a. 1
  - b. 2
  - c. 3
  - d. 6
5. How many moles of the excess reactant will remain unreacted?
- a. 0.5
  - b. 1.0
  - c. 1.5
  - d. 2.0