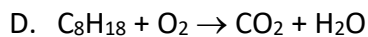
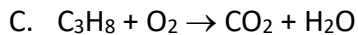
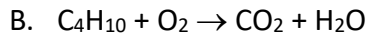
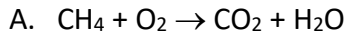


Astronomy Ranking Task: Chemical Reactions

Exercise #3

Description: The following are all unbalanced chemical reaction equations.



A. Ranking instructions: When the equations are properly balanced, rank the total number of oxygen atoms in each balanced reaction.

Ranking Order: Most 1 _____ 2 _____ 3 _____ 4 _____ Least

Or, all of the balanced reactions involve the same total number of oxygen atoms. _____
(indicate with a check mark)

Carefully explain your reasoning for ranking this way:

B. Ranking instructions: When the equations are properly balanced, rank the total number of hydrogen atoms in each balanced reaction.

Ranking Order: Most 1 _____ 2 _____ 3 _____ 4 _____ Least

Or, all of the balanced reactions involve the same total number of hydrogen atoms. _____
(indicate with a check mark)

Carefully explain your reasoning for ranking this way:

C. Ranking instructions: When the equations are properly balanced, rank the total number of carbon atoms in each balanced reaction.

Ranking Order: Most 1 _____ 2 _____ 3 _____ 4 _____ Least

Or, all of the balanced reactions involve the same total number of carbon atoms. _____
(indicate with a check mark)

Carefully explain your reasoning for ranking this way:
