Student directions Reactants, Products, and Leftovers activity 2: Limiting Reactants in Chemical Reactions Review

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homework review

Learning Goals: Students will be able to:

- 1. Predict the amounts of products and leftovers after reaction using the concept of limiting reactant
- 2. Predict the initial amounts of reactants given the amount of products and leftovers using the concept of limiting reactant
- 3. Translate from symbolic (chemical formula) to molecular (pictorial) representations of matter
- 4. Explain how subscripts and coefficients are used to solve limiting reactant problems.

Directions: This activity is a review for the final exam, so the answers should demonstrate comprehensive self-evaluation.

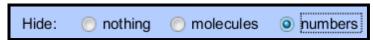
1. Play all levels of the Game with "nothing" hidden and record your scores. Play a few times if you feel you need to.



2. Play all levels of the Game with "molecules" hidden and record your scores. *Play a few times if you feel you need to*.



3. Play all levels of the Game with "molecules" hidden and record your scores. Play a few times if you feel you need to.



- 4. How might using molecular images help you when you are doing real-world problem solving?
- 5. Use examples to describe how you use the subscripts and coefficients while doing stoichiometry problems. Include examples that measure chemicals in grams, volumes of solution, and volume of gas.