

Draft Version: Shifting Reactions A Invention Activity.

Get together with two other students and discuss the following questions. The questions are based on the Shifting Reactions A Exploration activity. (<http://genchem1.chem.okstate.edu/2009APW/Default.html>)

1. Compare your data for Question 4 in the Shifting Reactions A Exploration. How does each member's of the group amounts of reactants and products compare? Discuss the final amounts and any differences or similarities.
2. Based on Question 4: write the balanced chemical equation that was observed.
3. Compare your data for Question 5 in the Shifting Reactions A Exploration. How does each member's of the group amounts of reactants and products compare? Discuss the final amounts and any differences or similarities.
4. Based on Question 5: write the balanced chemical equation that was observed.

5. Compare and contrast the two equations you have written in Question 2 and Question 4 of this activity.
6. Chemists refer to the type of reaction that is being investigated as a reversible reaction. Using the chemical system that was investigated in the Shifting Reactions A Exploration explain what is meant by reversible reaction.
7. An example of a non-reversible reaction is



What is meant when the term non-reversible is used to describe this reaction?

8. When viewed at the macroscopic level in the laboratory, chemical reactions seem to stop changing after a period of time. How does this compare to your molecular observations of the reaction in the Shifting Reactions A Exploration? How do your observations at the molecular level explain what happens at the macroscopic level?

