Name: Student ID:

1. A mixture of S atoms () and O2 molecules () in a closed container is represented in the diagram:

Draw the contents of the container after the mixture reacts as completely as possible according to the equation: 2S + 3O2 → 2SO3

2. A mixture of 2 moles of H2 and 2 moles of O2 reacts according to the equation: 2H2 + O2 → 2H2O

What is the limiting reactant, and how many moles of the excess reactant remain after the reaction is complete?

3. The reaction of element X () with element Y () is represented in the diagram:

Write the balanced equation for this chemical reaction.

4. How *useful for your learning* was this recitation compared to others (circle)?

More useful About the same Less useful

How *enjoyable* was this recitation compared to others (circle)?

More enjoyable About the same Less enjoyable