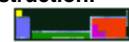


Revised August 2006



The World of Chemistry Video Series #14



Molecules in Action

1. In a hydroelectric plant, what type of energy is converted to electrical energy?
2. In what year did the Hindenburg airship explode?
3. What is the name given to the minimum energy required for a reaction to occur?
4. How can the activation energy of a reaction be lowered, (what is the general name given to the substances that achieve this)?
5. The Rhodium (Rh) catalyst used in the video is in the form of rhodium (III) chloride. What is the formula of Rhodium (III) chloride?
6. What two factors make an otherwise very expensive catalyst, economically viable?
7. What happens to the concentrations of the reactants and products in a dynamic equilibrium?
8. What nationality was Henri Le Chatelier?
9. According to Le Chatelier, adding a reactant to an equilibrium mixture will cause the reaction to go to which side, the reactant or the product side?
10. Write an equation to show the reaction of nitrogen and hydrogen to form ammonia (NH₃).