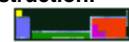


**Revised August 2006**



## The World of Chemistry Video Series #13



### The Driving Forces

1. Wood and gasoline are both hydrocarbons, what are the chemical products of their combustion?
2. What is another word for combustion?
3. Do most chemical reaction want to increase (take in) or decrease (release) the amount of energy present?
4. What is meant by the term **ENDOTHERMIC** when applied to a chemical reaction?
5. In an **EXOTHERMIC** reaction, is it the products or the reactants that have the **HIGHER** energy?
6. Barium Hydroxide was used in one of the demonstrations on the video. Barium is a group II element. What is the chemical formula for Barium Hydroxide?
7. **ENTROPY** is a measure of what?
8. Is the natural tendency in reactions for **MORE** or **LESS** disorder?
9. Which of the three states of matter is the **MOST** disordered?
10. Name **ONE** of the products of the oxidation of ethane in the chemical plant in the video.