

### Catalyst Research

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This assignment will require you to do some research, either using textbooks or the Internet. Long, formal essays are not required or desired – point form should be used! No more than one-half page per topic.

You **MUST** provide the source of your information (textbook, Internet web site, etc.) Use proper bibliographic format for listing this information. One source of information will be sufficient for each topic; I prefer to see a **different** source for each topic.

Please type your reports and submit them as e-mail attachments. I prefer Word or Word Perfect.

This wouldn't be a bad time to learn how to type in subscripts (e.g. the "2" in H<sub>2</sub>O) and special symbols such as →, although this is not strictly required).

**Be prepared to fax a copy of your report to me as well in the event that I am unable to open your word processing file!**

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1. What is a catalytic converter? Where would you find one? What is its purpose? What reaction or reactions are catalyzed, and what is the catalyst?
2. Find at least one other use of catalysts in an industrial process. Provide a paragraph or two of information about its use – what reaction is being catalyzed? what is the catalyst? What industry is it used in? How is it economically important?
3. What are enzymes? Where would you find them? What are their functions? Give a specific example.

***Student answers will vary for this assignment.***