Name: ______________________

Catalytic Converters Video Questions

Instructions
While watching the Chemistry of Cars Video about Catalytic Converters, answer the following questions:

1. What type of molecules do catalytic converters break down?

2. Catalytic Converters are named after catalysts, what is a catalyst?

3. What precious metals are typically used in catalytic converters?

4. Even though some reactions can occur on their own, a catalyst may _______ the energy barrier required to complete the reaction.

5. Does the catalyst get used up during a reaction? Why is this convenient?

6. What 2 categories of reactions do catalytic converters fall under

7. Carbon Monoxide is _________ and NOx is ___________ during these reactions.

8. Oxidation and Reduction reactions are often abbreviated as what?

Bonus: If combustion reactions produce Carbon dioxide and water, which are relatively harmless, how do other pollutants like CO and NOx form which need to be oxidized and reduced by catalytic converters. (hint, think in terms of stoichiometry).