

Combustion and Corrosion Assignment

Name: _____ Date: _____

Part A: Corrosion

- Read section 1.9 pp. 34-35 “Corrosion” handout
- Answer the following questions below in full sentences

1. Define Chemical Property

2. What is corrosion?

3. How is rust formed?

4. What physical property of rust causes millions of dollars of damage to structures and vehicles?

5. How is aluminum oxide different from iron oxide (rust)?

6. What happens to silver when it reacts with oxygen to form silver oxide?

7. List 3 ways to prevent corrosion?

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Part B: Combustion

- Read section 1.11 pp 38-39 “Combustion” handout
- Answer the following questions below in full sentences

1. Define combustion

2. What are the three components necessary for combustion?

3. List 3 kinds of fuels

4. What are fossil fuels?

5. What are the particles called that make up fossil fuels?

6. What are the 2 main products made when fossil fuels burn with sufficient oxygen?

7. Write the word equation for the combustion of hydrocarbons (fossil fuel).

Label the reactants and products.

8. When not enough oxygen is available for the combustion of fuel, what other 2 products are formed?

9. How is it that combustion reactions can be harmful to the environment?
