

Chemistry 12 – Reaction Rates Assignment

What is the general formula for a chemistry rate reaction?

What does the Δ symbol mean?

Which of the following are unacceptable units to express reaction rate?

mol/s

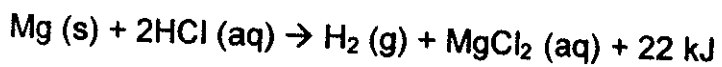
mol/L

g/L

L of gas/min

mL/hour

For the following reaction:



Name three ways one could monitor the progress and, therefore, determine the rate of the reaction.

1.

2.

3.

If, in an experiment, 2.5 g of Mg reacts with 2.00 L of 2.00 M HCl over a period of 20 seconds, determine:

a) The average reaction rate of the Mg in mol/s

b) The final concentration of the HCl

c) The average rate of consumption of HCl in $\text{mol}/(\text{L} \cdot \text{sec})$