

Name _____
 Bk _____

Pre-Lab Questions:

1. Write the balanced chemical equation: magnesium and hydrochloric acid, HCl, react to form magnesium chloride, $MgCl_2$, and hydrogen gas.
2. Write the mole ratios for this equation.
3. A strip of Mg from another company weighs 0.015g per cm. How much does a 10 cm strip weigh?
4. How many moles of Mg is this?

Answer below.

Data Table: Mass of Mg & Volume of HCl

Trial	Mass of Mg (g)	Volume HCl (ml)
1	4 cm = _____ g	5
2	8 cm = _____ g	5
3	12 cm = _____ g	5
4	16 cm = _____ g	5
5	6 cm = _____ g	2
6	6 cm = _____ g	4
7	6 cm = _____ g	6
8	6 cm = _____ g	8

Additional Observations:

Calculations Table: Moles Reactants

Trial	Moles of Mg (mol)	Moles of HCl (mol)
1		
2		
3		
4		
5		
6		
7		
8		