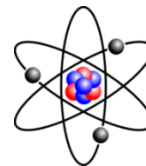


Name:



**Directions: Do your calculations in the box provided. Circle your answer. Show your work.**

1. How much does 1 mole of Ne weigh?

2. How much does 1 mole of H<sub>2</sub>O weigh?

3. How much does 1/2 mole of H<sub>2</sub>SO<sub>4</sub> weigh?

4. How many moles is 100g of Ca?

5. How many moles is 10g of HCl?

6. How many moles is 3g of CH<sub>4</sub>?

7. How many grams of H<sub>2</sub> are needed to react with 1 Mole of Cl<sub>2</sub> to make HCl?

8. How many moles of S need to be burned to make .25 moles of SO<sub>2</sub>?