## Molar Conversion WS

Calculate how many moles are in the following masses:

1) 25 g of NaCl
2) 125 g of $\mathrm{H}_{2} \mathrm{SO}_{4}$

Calculate the mass (in grams) of the following \#of moles:
3) 2.5 mol of NaCl
4) 0.5 mole of $\mathrm{H}_{2} \mathrm{SO}_{4}$

How many molecules are in the following number of moles?
5) 2 moles of NaCl
6) 1.5 moles $\mathrm{H}_{2} \mathrm{SO}_{4}$

How many moles are in the following \# of molecules?
7) $3.4 \times 10^{26}$ of NaCl
8) $7.5 \times 10^{19}$ of $\mathrm{H}_{2} \mathrm{SO}_{4}$

How many molecules are in the following \# of grams?
9) 87 g of NaCl
10) 45 g of $\mathrm{H}_{2} \mathrm{SO}_{4}$

How many grams are in the following \# of molecules?
11) $1.8 \times 10^{28}$ of NaCl
12) $4.5 \times 10^{15}$ of $\mathrm{H}_{2} \mathrm{SO}_{4}$

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