

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

MOLE PROBLEMS

ONE STEP PROBLEMS

Answers:

Convert to moles	
1. $1.806 \times 10^{23}$ molecules $\text{CO}_2$	$0.3 \text{ mol}$
2. $1 \times 10^{23}$ atoms of silver	$1.66 \times 10^{-25} \text{ mol}$
3. 1000 molecules $\text{P}_4\text{O}_{10}$	$1.66 \times 10^{-21} \text{ mol}$
4. 34 grams $\text{NH}_3$ $MM_{\text{NH}_3} = 17 \text{ g/mol}$	$2.0 \text{ mol}$
5. 9.00 grams $\text{H}_2\text{SO}_4$ $MM_{\text{H}_2\text{SO}_4} = 98 \text{ g/mol}$	$0.09 \text{ mol}$
6. 1 gram $\text{NaCl}$ $MM_{\text{NaCl}} = 58.4 \text{ g/mol}$	$0.017 \text{ mol}$
7. $1.51 \times 10^{23}$ molecules $\text{H}_2\text{O}$	$0.25 \text{ mol}$
Convert to mass in grams	
8. 5.0 moles of $\text{NH}_3$	$85 \text{ g}$
9. 0.002 moles $\text{Na}_2\text{SO}_4$ $MM_{\text{Na}_2\text{SO}_4} = 142 \text{ g/mol}$	$0.284 \text{ g}$
10. $1.50 \times 10^{-3}$ moles $\text{SO}_3$ $MM_{\text{SO}_3} = 80 \text{ g/mol}$	$0.12 \text{ g}$
Convert to number of molecules	
11. 2.0 moles of $\text{CO}_2$	$1.2 \times 10^{24}$ molecules
12. 0.05 moles $\text{PCl}_3$	$3.01 \times 10^{22}$ molecules
13. 1.8 moles $\text{C}_6\text{H}_{18}$	$1.08 \times 10^{24}$ molecules
14. $1.00 \times 10^{-2}$ moles $\text{H}_2\text{O}$	$6.02 \times 10^{21}$ molecules

If you drink 500mL of water how many molecules of water did you drink?

$1 \text{ mL H}_2\text{O} = 1 \text{ g H}_2\text{O}$

$1.67 \times 10^{25}$  molecules

[Download PDF version of :](#)  
**Chemistry Packet Answers 9 2 Practice Problems**