

PARTS OF THE ATOM

Name _____

(58)

Using the Periodic Table of the Elements, determine the number of protons, neutrons and electrons in each of the following atoms. Draw a model of the atom showing the electrons in the proper energy levels.

1. ${}^1_1\text{H}$ _____ protons
 _____ neutrons
 _____ electrons

2. ${}^{12}_6\text{C}$ _____ protons
 _____ neutrons
 _____ electrons

3. ${}^{23}_{11}\text{Na}$ _____ protons
 _____ neutrons
 _____ electrons

4. ${}^{31}_{15}\text{P}$ _____ protons
 _____ neutrons
 _____ electrons

5. ${}^{16}_8\text{O}$ _____ protons
 _____ neutrons
 _____ electrons

NUMBER OF ATOMS IN A FORMULA

Name _____

Determine the number of atoms in the following chemical formulas.

	<u>Atoms</u>	<u>Elements</u>		<u>Atoms</u>	<u>Elements</u>
1. NaCl	_____	_____	11. Cu(NO ₃) ₂	_____	_____
2. H ₂ SO ₄	_____	_____	12. KMnO ₄	_____	_____
3. KNO ₃	_____	_____	13. H ₂ O ₂	_____	_____
4. CaCl ₂	_____	_____	14. H ₃ PO ₄	_____	_____
5. C ₂ H ₆	_____	_____	15. (NH ₄) ₃ PO ₄	_____	_____
6. Ba(OH) ₂	_____	_____	16. Fe ₂ O ₃	_____	_____
7. NH ₄ Br	_____	_____	17. NaC ₂ H ₃ O ₂	_____	_____
8. Ca ₃ (PO ₄) ₂	_____	_____	18. Mg(C ₂ H ₃ O ₂) ₂	_____	_____
9. Al ₂ (SO ₄) ₃	_____	_____	19. Hg ₂ Cl ₂	_____	_____
10. Mg(NO ₃) ₂	_____	_____	20. K ₂ SO ₃	_____	_____