Physical Science Assignment 4-3 & 4-4

in	ead section 4- formation in lestions :	Name Class Period Date								
1.	According to your textbook, what is a <i>pure substance?</i>									
			substance?							
3.	<u>Name</u> five exam	ples of pure	substances.							
4. State the definition for an atom as defined in chapter 4.										
			nd <u>print</u> the symbol raph on page 98. Name	l beside the nam Sym.	e. Pay attention Name	to the last Sym.				

Please continue on the other side.

- 6. Explain why the symbol for **gold** is **Au** rather than G or Go.
- 7. What are *compounds*?
- 8. Explain how *compounds* are different from *elements* even though they are both pure substances.
- 9. Explain what happens when the element *sodium* comes in contact with the element *chlorine*.
- 10. What is a *molecule*?

11. Explain why a compound is not always a molecule. (Look closely at the definitions for both.)

12. What elements make up the rubbing alcohol molecule (C₃H₇OH) and how many of each kind of atom is in each rubbing alcohol molecule?

^{13.} **Diatomic** elements exist in the pure state as <u>pairs of atoms</u> bonded together as molecules. Name the elements that have this "paired" characteristic and print the formula for a molecule of each.

Name	formula	Name	formula	Name	formula
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