20. these are formed by two or more elements that combine chemically	8. a number used to write a chemical formula 9. Iodine, Oxygen and Nitrogen are examples of this type of gas 10. the ending substances in a chemical reaction 11. in this type of reaction, one reactant forms two products 14. a number placed before a formula to balance an equation 17. in this type of reaction, the cations and anions of the two reactants switch places, forming two new products 18. the element that the formula for an acid begins with	23. this type of metal may need a Roman numeral in the name of the compound it may form  Down  2. a reaction that absorbs energy  5. the type of ion that is always written second in a chemical formula  6. the overall charge that the cation and anion in a chemical compound	<ul> <li>12. a compound with two elements</li> <li>13. a reaction that releases energy</li> <li>15. reactants exist on this side of the yields sign in a chemical reaction</li> <li>16. products exist on this side of the yields sign in a chemical reaction</li> <li>19. compounds starting with C, N, P, Si or S need this in their names</li> <li>21. this tells the charge of the cation in a chemical compound</li> <li>22. iron can be classified as this</li> </ul>	Across  I. in this type of reaction, two reactants form one product 3. sodium chloride can be classified as this 4. this type of reaction happens when Zinc and Hydrochloric Acid react to produce Zinc Chloride and Hydrogen gas 7. the starting substances of a chemical reaction		Hour Value of the Control of the Con	Name	
- M J 1					4 Z D W E	PROLACE IN STO		\(\frac{\cup_{\pi}}{\pi}\)