| 414124 | Date : |
|-----------|--|
| | chanter no: 1 |
| | chapter no: I themical reaction and Equation |
| | when the the second state of the second state |
| 木 | Difftence between chemical and Physical |
| | change? |
| 100 | works in countries and interest in a state |
| | Physical change chemical change |
| i | Physical change chemical change In a chemical change |
| J | physical properties the composition and |
| L | such as colour, Chemical properties |
| | Physical State undergo a |
| | density etc mitroux min change my |
| 2 | |
| <u>ii</u> | no new subtance ij A new slubtance is |
| | is formed in a formed in a chemica |
| | physical change change |
| 121 | and an an interest for any time of the latter of the |
| iii | very little ærno iii) A cherrical change is |
| Carch | energy in the Joses alongy's accomplained |
| . 44 | of heat, light or by absorption |
| | sound is assigned to |
| | absorbed ore guien out energy in a physical change |
| | in a physical change |
| 7805 | 2 de la ciencia de la compansión de la ciencia de la cienc |
| | Aphysical change is it is in the mical change is |
| | temporary change permanant and and reversible inversible |
| | m ish in Abdus 24 million property in the |
| V. | Emerimo 10: 11. M. Riesting Obitson |
| 10% | Execumple: Making days with Clays Sticks. |
| | clays Sticks. |
| | |
| | |

| 7- | 10 | | |
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| Da | Ie. | - 7 | |

SHIP

| | air without |
|-------------|--|
| * | - What is chemical changes reaction? |
| | The puncees in which a substance or |
| | substances undergo a cherical change ito produce neu substance or substances cuits |
| | Ruduce new substance or substances with |
| | entire new properties are known as whemical |
| 20112 | execution of some sounds in its |
| | Example: |
| 1-13-11 | 2H201+102 - 2H30 mai minute |
| | { reactants} { puoducts ? |
| | Printeria State in the state |
| * | Types of ichemical reaction - |
| | |
| 1 1 | Combination reaction- |
| The Thir | when two or More substances Celevent |
| | Or (compound) combine to join a single |
| | Product, the reaction is called combination |
| d. The | reaction of A in a new white and the |
| sired hor | Esemple: mis |
| / t = 11 | Dal Market Dal Modern Con Andrews |
| 1 3 | (abasahamas) Glada: 2 |
| | phosphorous? theorine & phosphorous ? |
| | {phosphorous? {chlorine} {phosphorous ? trichloride} pentechloride |
| | |
| | Decomposition Reaction= |
| | ed chemical reaction in which one reaction |
| | reactant bueaks down anto tuo ar more |
| | by the action of heat or by the application |
| 1 1 1 | by the action of heat or by the application |
| - 4 11 11/1 | af wedricity |
| | AND THE STATE OF T |

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| 1 | Date : |
|---|---|
| . ' | 0 |
| h ₂ | Example: |
| | Caco, A Cao Cao |
| | |
| | [calcium] Scalcium] scarbon? [carbonate] loxide] |
| | |
| ı'ii ʔ | Displacement Reaction |
| | ed chercical treaction in which a more treactive |
| | Mement displaces a less reactine Mement |
| | Jean its compound is called a displacement |
| - 1 | reaction |
| \$. | L'reample- |
| | n in the second |
| , ê | Zn(s) + Cuso, (ag) Znson, + Cuso |
| | 1 Linc) 1 copper ? |
| | L Sulphatel Sulphate |
| | * (10120) Y (1) 1 |
| | Double-Displacement Reaction- |
| Man' | Double Displacement reaction are those is |
| priegra | which true chemical substances reacts by |
| <u>, , , , , , , , , , , , , , , , , , , </u> | exchanging ions to produce true new |
| B) h | Molegides anisary of |
| 10000000000000000000000000000000000000 | Example: |
| Vin u n | Nasoy + Bacl = Basoy + 2NACI |
| 重数: | Candium ? [Buxium ? [hazium ? [sadium ? |
| 1000 | Sodium ? (Burium? Sodium? (sulphate) chloride |
| | |
| | As endowers. |
| Jarx 5 | en mai annin |
| | rical de can |
| 1 to 14 | |

| | | Date : |
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| . , | | |
| 10 | | A 1802 |
| * | Reactivity series * | : Marine Estate |
| | 12 | The second secon |
| | n. Augmerur | |
| | Co 1 200 CE | The state of the s |
| | Ma | 34700 702 113 63 121 |
| | Toltal al | La remain P (III) |
| Wall ri | 7 | the property to the |
| | - Fe with rose was posting a | The threatles were |
| +11:31 | Pb in harman in harmonia | 15 1 A 2010 M |
| | H | a iil marka Mar |
| | Cu ! | -11000000000000000000000000000000000000 |
| | Hg | 1 1 1/01/3 |
| | Ag love realling | + / 41/ 14 |
| . 14 , 1 | Au netal or element | CALLED |
| | de la construir de la construi | -/- 10 mm / |
| * | lourosion* | |
| | when a metal is vatacked by | substance avoure |
| 0 | cit such as moisture and acc | ds etc it said |
| 1161 614 | JUD BU JOTH AND JAKE DUOCUSC IN CO. | 1440 |
| | La Corrosion | Quinnad Mu. |
| | Corrosion | or him a marine 1 1 |
| | hamrful | helpful |
| | Pulling of the state of the sta | |
| | of iron | of CoCOz in copper versel |
| White I d | of washing the state of the sta | of Colos is |
| 1012014 | | copper versel |
| | Jan 1 | 1-2-1-2 |
| | | formation of |
| | | aluminium oxide |
| | | · · · versel· |
| Mar. | | . , , , , , , , , , , , , , , , , , , , |
| | | |

| 44 | Date : |
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| | |
| * | Prevention of Corrosion* |
| ij | Lelectroplating - Cu (copper) plating - gold plating - Zinc plating (galvanisation) Painting |
| 曲 | - Cir (copper) plating |
| | - gold plating |
| | - Zinc plating (Galvanisabina) |
| ji | Painting !! |
| * | Rancidily xt (10m) 1) - mono - 10m 18 |
| | When fatt and oils are oxidised-they become |
| | Ranced and oils are oxidised-they become Ranced and their smell and taste change this change in sustance is called fancidity |
| | change in surtance is called fancidity |
| _ epid - y | Salar |
| X | Cremention of Rancity |
| i) | adding ambioxidents |
| [וֹנ | adding preservatives. Hold of |
| | Cremention of Rancity adding ambioxidents adding preservatives. filling chips packet Nitrugen gas. |
| 14 321 | 1 Barr. + Hason - + Basa - + Hol |
| * | chemical balancing * |
| | et me balance the chemical equation in OEdez |
| The state of the s | to fullfil or satisfy have of conservation of |
| 12 | Mass |
| | The state of the s |
| eg. | 1) H2+ O2 -> AH20 |
| | and the second of the second o |
| | Reactancis Products |
| | e de la contraction de la cont |
| | H 2x2 3 x2 |
| | e de la companya della companya della companya de la companya della companya dell |
| 多数 1 | 0 mm2 1x20 1 1 16 ma |
| | 1. 2H1+01 → XH,0. |
| | α |
| 47 | |

| | at | 0 | | | |
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| $\overline{}$ | u | | | _ | |

| 2) | for 1 11 a Comparison to and married at |
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| 20 | fe + 420 -> Fe203+ 42. |
| | Reactants Product |
| | fe. 1x2 |
| | $\frac{1}{4}$ $\frac{3}{2} = 6$ |
| | 0 ×3 ×3 |
| | 2fe + 3H20 - > fe203 + 3H2 |
| | |
| 3) | HNO3 + Ca(OH) (a(NO3), + H20 1017 + |
| | Reactants |
| , | H = 5 $2+2=5$ |
| | 0 1 5 + 3 = 8 7 + 1 = 8 |
| | N 1×2-2 2 . |
| | Ca Historia to miture of the |
| | 2HNO2 + Ca(nH)2 Co Cod |
| | 24 NO3 + Ca(OH)2 -> Ca(NO3)2 +24420 |
| 4] | Bacl + H2504 Bason + HCL |
| | DUCIZ THOUSE DUSON THELE |
| 1) (| Bacle + 6Hyson - Bason + aHCL |
| 120 0 | is the mark of sides to second of |
| _ | a=c |
| 1,0 | dq=d |
| | 2b=9 26 00HB = 00 +0x+i(n-199 |
| Ę | b=c |
| | If t=1 double for the first |
| | then a=1 |
| | d=21. |
| | b=1 |
| | Bac/2 + H2505 - Bason + 2HC- |
| | TO TO THE STATE OF |
| - ji | |
| n da | |