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WORK SHEET
SECOND TERM
SUBJECT- SCIENCE
LESSON – CHANGES & REACTIONS
CLASS- VII

I. Choose the correct answer:

- 1) An acid reacts with a base to form a salt & water. This type of reaction is called
 - a) Combination reaction
 - b) Neutralization reaction
 - c) Displacement reaction
 - d) Decomposition reaction
- 2) Curdling of milk is a
 - a) Chemical change
 - b) Physical change
 - c) Both (a) & (b)
 - d) None of these
- 3) Rusting takes place in
 - a) Air-free moisture
 - b) Moisture-free air
 - c) Moist air
 - d) None of these
- 4) The digestion of food is a
 - a) Physical change
 - b) Chemical change
 - c) Both (a) & (b)
 - d) None of these

II. Fill in the blanks.

- 1) Melting of wax is a _____ change.
- 2) Cooking of food is a _____ change.
- 3) In a _____ reaction, two or more reactants add up to form a product.
- 4) The forming of rust is called _____.
- 5) Hydrocarbons are compounds made of _____ and _____.

III. State true or false.

- 1) When a substance is burnt only light is emitted.
- 2) Magnesium combines with oxygen of air to form magnesium oxide.
- 3) New substances are formed in a physical change.
- 4) The mixture of water and alcohol forms a heterogeneous mixture.
- 5) Petrol, diesel and LPG contain mixtures of hydrocarbons.

IV. Match the following.

- | <u>A</u> | <u>B</u> |
|-----------------------------|---------------------|
| 1) Electromagnets | a) baking soda |
| 2) Nichrome | b) steel |
| 3) sodium hydrogencarbonate | c) heating element |
| 4) metallic solids | d) red-brown solid |
| 5) rust | e) washing machines |

V. Define.

- | | | | |
|---------------------------|---------------------------|-----------------------------|----------------|
| 1) Physical change | 2) Chemical change | 3) Melting | 4) Freezing |
| 5) Vaporisation | 6) Condensation | 7) Rusting | 8) Combination |
| 9) Decomposition reaction | 10) Displacement reaction | 11) Neutralization reaction | |

VI. Give reasons

- 1) Freshly cut apple or brinjal turns brown.
- 2) Burning of magnesium ribbon is considered a chemical change
