

 — **PHYSICAL AND CHEMICAL** —   
— **CHANGES WORKSHEET** —

A. Classify the following processes as physical (P) or chemical (C) changes.

1. Photosynthesis \_\_\_\_\_
2. Dissolving sugar in water \_\_\_\_\_
3. Burning of coal \_\_\_\_\_
4. Melting of wax \_\_\_\_\_
5. Beating aluminum to make aluminum foil \_\_\_\_\_
6. Digestion of food \_\_\_\_\_

B. State 'True' or 'False'.

1. Cutting a log into pieces is a chemical change \_\_\_\_\_
2. Manure forming from leaves is a physical change \_\_\_\_\_
3. Iron pipes with a zinc coating do not rust easily \_\_\_\_\_
4. Iron and rust are the same substance. \_\_\_\_\_
5. Condensation of steam is not a chemical change \_\_\_\_\_

C. Encircle the correct option.

1. Rusting results in:

- (a) gain of iron
- (b) no loss of metal
- (c) loss of metal
- (d) none of these

2. Chemical changes are:

- (a) reversible
- (b) irreversible
- (c) known to form one or more new substances
- (d) both (b) and (c)

3. In making of alloys:

- (a) more than two metals are mixed
- (b) only two metals are mixed
- (c) two or more metals are mixed in a fixed ratio
- (d) none of the above

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## Answers

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3. Burning of coal C
4. Melting of wax P
5. Beating aluminum to make aluminum foil P
6. Digestion of food P

B. State 'True' or 'False'.

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2. Manure forming from leaves is a physical change False
3. Iron pipes with a zinc coating do not rust easily True
4. Iron and rust are the same substance. False
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C. Encircle the correct option.

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