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Physical & Chemical Changes Worksheet

2026 – 2027

Grade: 8 **Subject:** Chemistry

Time: 15 minutes **Maximum Marks:** 15

Section A

1. **Choose the correct answer**

(i) The change from day to night and the change of seasons are examples of which type of change? [1]

(a) Periodic
(b) Non-periodic
(c) Reversible
(d) Irreversible

(ii) Assertion (A): Evaporation of water from plants and water bodies cools the surrounding environment. [1]
Reason (R): Evaporation takes up heat from the surroundings to change water from liquid to gaseous state.

(a) Both A and R are true and R is the correct explanation of A
(b) Both A and R are true but R is not the correct explanation of A
(c) A is true but R is false
(d) A is false but R is true

2. **Write whether the statement is true or false; if false, rewrite it correctly by changing the underlined word**

Iodine undergoes sublimation when it is heated, changing directly from solid to gas. [1]

3. (i) Define the term 'Chemical change'. [1]

(ii) Define the term 'Physical change'. [1]

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4. Explain how the floating of ice on water helps in the survival of aquatic plants and animals during winter. [2]

5. Give any six examples of chemical changes that occur in daily life, explaining briefly why each is considered a chemical change. [3]

Section B

6. Answer the questions below based on the given laboratory setup shown in the diagram.



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(i) Name the process illustrated by this apparatus. [1]

(ii) What type of energy is supplied by the battery to drive this process? [1]

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(iii) Name the two gases produced during this process. [1]

(iv) Is the process shown a physical change or a chemical change? [1]

(v) Justify your answer to the previous question with one reason. [1]

********** End of worksheet **********

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