

Name: _____ Date: _____

Physical and Chemical Change

- Q1. The gas we use in the kitchen is called liquified petroleum gas (LPG). In the cylinder it exist as a liquid. When it comes out from the cylinder it becomes a gas (Change – A) then it burns (Change – B). The following statements pertain to these changes. Choose the correct one.
- (i) Process – A is a chemical change.
 - (ii) Process – B is a chemical change.
 - (iii) Both processes A and B are chemical changes.
 - (iv) None of these processes is a chemical change.

Ans. _____

- Q2. Anaerobic bacteria digest animal waste and produce biogas (Change – A). The biogas is then burnt as fuel (Change – B). The following statements pertain to these changes. Choose the correct one.
- (i) Process – A is a chemical change.
 - (ii) Process – B is a chemical change.
 - (iii) Both processes A and B are chemical changes.
 - (iv) None of these processes is a chemical change.

Ans. _____

- Q3. Differentiate between physical and chemical change.

Ans.

<u>Physical Change</u>	<u>Chemical Change</u>

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Ans. (ii) Process – B is a chemical change.

- Q2. Anaerobic bacteria digest animal waste and produce biogas (Change – A). The biogas is then burnt as fuel (Change – B). The following statements pertain to these changes. Choose the correct one.
- (i) Process – A is a chemical change.
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 - (iii) Both processes A and B are chemical changes.
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Ans. (iii) Both processes A and B are chemical changes.

- Q3. Differentiate between physical and chemical change.

Ans.	<u>Physical Change</u>	<u>Chemical Change</u>
	1. Physical change effect only physical properties.	1. Chemical change effect both physical and chemical properties.
	2. Physical change is generally reversible.	2. Chemical change is irreversible.
	3. In such a change no new substance is formed.	3. In such a change new substance is formed.
	4. Example: Condensation of steam	4. Example: Burning of coal