

Worksheet 1 | The Primary Stage of Grades (4-5)

2023-2024

Name:

Subject: Science

Physical and Chemical changes

Date: / /

Class: Grade Five National (All Sections)

- Objective/s**
- Differentiate between physical and chemical changes.
 - Classify different changes into reversible and irreversible changes.

Question 1: Classify the following changes into physical or chemical changes, then tell whether this change is reversible or irreversible change.

	Change	Physical/ Chemical Change	Reversible/ Irreversible
1.	Frying an egg.		
2.	Freezing water to make ice.		
3.	Burning wood in a fire.		
4.	Dissolving salt in water.		
5.	Adding Bicarbonate of soda to vinegar.		
6.	Attracting an iron nail by a magnet.		
7.	Baking a loaf of bread.		
8.	Folding a piece of paper.		
9.	Rusting of an iron gate.		
10.	Condensation of Water vapor into liquid water.		

Question Two:

Angelique works in a large kitchen.

She is cooking rice in boiling water.

(a) Boiling water is a reversible process.

Cooking rice is an irreversible process.

Explain why boiling water is reversible but cooking rice is irreversible.

.....

.....

.....

(b) The walls of the kitchen get wet.

Angelique knows that the water comes from the boiling water.

Explain how the walls of the kitchen get wet.

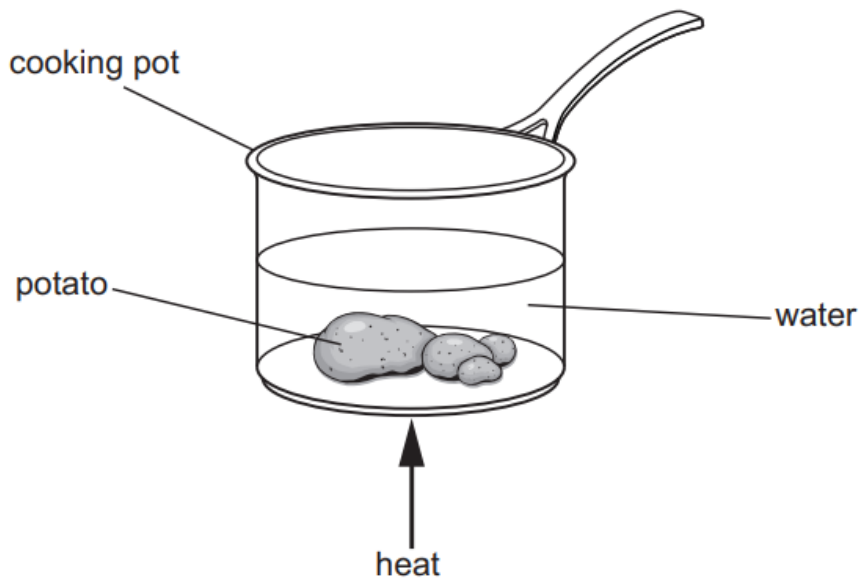
.....

.....

.....

Question Three:

Anastasia cooks potatoes in hot water.



She puts the cooking pot over a flame and heats the water for 25 minutes.

(a) What happens to water when it is boiling?

.....

(b) Explain why boiling water is a **reversible** change.

.....

.....

(c) Explain why cooking a potato is an **irreversible** change.

.....

.....