LESSON PLAN

Class: 8th *Subject:* Science *Topic:* Chemical Reactions

Date: 23-04-26 *Duration:* 40 mins

Class Strength: 50

1. Specific Learning Objectives:

Students will be able to:

- Identify a chemical reaction as a process
- Distinguish b/w physical and chemical change
- Explain that atoms rearrange during a chemical reaction
- List real life examples of a chemical reaction

2. Skills/Attitude: Observing skills, critical thinking

3. Teaching Resources: iron nail (rusted), candle

4. Classroom Management Rules & Strategy:

Teacher will use a plastic whistle to remind rules.

Teaching Method:

interactive lecture, Experiment

5. Procedure:

Initiation:

The teacher will drop an antacid tablet (like Panadol or calci) in water in a clear glass. It will fizz up and produce bubbles. The teacher asks if it is possible to change this dissolved tablet into its previous appearance. *Students respond:* No Teacher will tell that it is an example of a chemical reaction that happened in

this glass of water, and it is what exactly our todays topic that is chemical reaction.

Teacher defines chemical reaction: When substances change form new substances

Teacher gives real life examples of chemical reactions:

- Burning of paper releases gas and ashes
- Burning of a candle

Now teacher will give examples related to real life. When a candle is burnt what do we get? CO2 and water + ash. The teacher will show an iron nail that has been rusted. It is also an example of a chemical reaction. There are two main parts of a chemical reaction and they are reactants and a product in a chemical reaction. The reactants change their form to form a new product. The reactants don't disappear they only change forms.

The teacher asks students for such examples from the kitchen just like the reactants for making biryani are rice,oil, chicken etc. and the product is biryani. Students will respond according to their knowledge and experience.

Recap:R

The teacher will give a quick revision of what a chemical reaction is. Also, she will give examples of a chemical reaction and ask from students

6. Board Summary

Topic: Chemical Reactions

Definition: When substances change from one form to another.

Examples:

- iron nail rusting
- burning of candle
- Burning of paper
- Fizzing of calci in water