

# Chemical Reactions & Equations

## Chapter 1

**Assessment Technique:** Demonstration Based Worksheet

**Objectives:**

To enable the students to:

- Recognise a chemical change
- Differentiate between a chemical and physical change
- List the observations that help to indicate a chemical change
- Understand that a chemical reaction leads to a chemical change
- Develop scientific skills of observation, drawing conclusions and handling chemicals

**Task:**

**Individual**

**Procedure**

- Activity No. 1.3 given on page 2 of Class X, NCERT science textbook may be carried out in the form of a demonstration. Students may be involved in the demonstration.

**Assessment Parameters:** The following questions may be assessed giving equal weightage of 1 or 2 marks to each question.

### Student Worksheet

**Time: 10 min**

Answer the following questions on the basis of observations made during the demonstration.

- Q1. What did you observe happening at the bottom of the test tube in the activity performed?
- Q2. Did you feel any change in the temperature on touching the bottom of the test tube?
- Q3. Suggest whether the heat is being released or absorbed during the process of the activity?
- Q4. What observations tell us that addition of dilute acid to zinc granules leads to a chemical change?
- Q5. Give example of one physical and one chemical change from your daily life.

**Suggested Remediation:**

- Extra caution may be taken in explaining precautions to the students.



# Chemical Reactions Assessment 1 Answers

**Clive Lon**



## **Chemical Reactions Assessment 1 Answers:**

X-kit FET Grade 12 PHYS SCIENCE CHEMISTRY Clive Lon,2008

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