

Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 5	Day: 1
Chapter 5: Physical and Chemical Changes of Matter		Topic: Burning, Rusting of Iron	

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Identify observable changes in materials that make new materials with different properties (e.g., decaying, burning, rusting).

Resource Materials:

Chalk/marker, white/blackboard, Science textbook, Worksheet

Warm-up Activities:

5mins

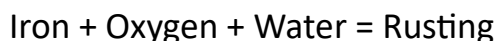
Before beginning the lesson, ask students to say "Tasmiya."

Ask them: What do you know about chemical change? Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Burning' on the board.
- Tell the students we will learn about burning.
- When something burns, it reacts with oxygen in air and gives off heat. This combustion reaction is called burning.
- The substance that burnt is called fuel. It can be a solid, liquid or a gas such as coal, oil, natural gas, petrol, etc.
- Now write 'Rusting of iron' on board.
- Tell students another process in which chemical change occurs is rusting.
- When an iron rod is placed in an open air, its color starts changing. This change occurs because iron reacts with oxygen in the air in the presence of water. This process is called rusting.



- Ask students to open their textbooks and do the activity. Tell them to take three iron nails and place them in three test tube. Fill the two-test tube with water and one remain empty. Seal the test tube and leave them for few days into same atmospheric condition and then observe it.

Review:

3mins

Explain the main points about burning and rusting.

Evaluation:

5mins

To check the understanding, ask them:

- What is burning?
- What is fuel?

- Name some fuel.
- What is rusting?

Homework:

2mins

Ask students to learn the topic. And solve the given worksheet.

Worksheet

Q1. Fill the information and give examples.

Rusting

Decaying

Burning

Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 5	Day: 2
Chapter 5: Physical and Chemical Changes of Matter		Topic: Difference between a Physical and a Chemical Change	

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Differentiate between physical and chemical changes with examples.

Resource Materials:

Chalk/marker, white/blackboard, Science textbook, Worksheet

Warm-up Activities:

5mins

Before beginning the lesson, ask students to say "Tasmiya."

Ask them: What do you know about burning? What do you know about rusting?

Wait for their responses.

Teaching and Learning Activities:

25mins

- Write the topic name 'Difference between a physical and a chemical change' on board.
- Tell students you have learnt about physical and chemical change in detail in previous lectures. Today we will find the differences between them.
- Draw a table on board and write physical change in one column and chemical change in other column.
- Write and explain the difference between them to students.
- A physical change is a temporary change and a chemical change is a permanent change.
- No new substance is formed in a physical change while a new substance is formed in a chemical change.
- A physical change is a reversible while a chemical change is irreversible change.
- Appearance may or may not change in a physical change but it must change in a chemical change.

Review:

3mins

Explain the main points about the difference between physical and chemical change.

Evaluation:

5mins

To check understanding of students, ask them:

- What is the difference between physical and chemical change?

Homework:

2mins

Ask students to learn the topic. And solve the worksheet.

Worksheet

Q1. Define physical and chemical change



Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 5	Day: 3
Chapter 5: Physical and Chemical Changes of Matter		Topic: Exercise	

Objective(s):

At the end of this period, the students will be able to:

- Solve exercise

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Teaching and Learning Activities:

30mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students they are going to solve the exercise of chapter 5.
- Briefly explain all topics and ask questions related to them. Wait for their responses.
- Ask students to open their textbooks and solve MCQ's. Help them in their work. Check their work.
- Ask them to solve research work in their textbooks.
- Ask the students to open their textbooks and help the students to make the project.

Review:

0mins

N/A

Evaluation:

5mins

To evaluate the understanding of students, check their work.

Homework:

5mins

Ask students to revise the exercise of chapter 5.

Lesson Plan

Grade: Five

Subject: Science

Term: 2nd

Time: 40min

Teacher's Name: _____

Week: 5

Day: 4

Chapter 4: Environmental Pollution

Topic: Revision

Students Learning Outcomes:

At the end of this period, the students will be able to:

- Revise all the concepts of chapter 4.

Resource Materials:

Science Textbook, Worksheet

Teaching and Learning Activities:

10mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Ask them to get ready for assessment.
- Tell students today they are going to revise the chapter. So that they can easily prepare for exams.
- Ask students to revise the topics. Guide them if needed.
- Now arrange them, and distribute worksheet among them.
- Ask them to solve worksheet on time.

Review:

10mins

Check students worksheets and correct their mistakes.

Evaluation:

0mins

N/A

Homework:

0mins

N/A

Worksheet

Q1. Answer the following questions.

i) What are the effects of air pollution?

ii) Name some greenhouse gases.

iii) What are the causes of water pollution?

iv) What is pollution? Name some pollutants.

Q2. What are biodegradable and non-biodegradable materials? What are the impacts of non-biodegradable materials?

Q3. What is 4R strategy? Explain.

Lesson Plan

Grade: Five	Subject: Science	Term: 2 nd	Time: 40min
Teacher's Name: _____		Week: 5	Day: 5
Chapter 5: Physical and Chemical Changes of Matter			Topic: Revision

Objective(s):

At the end of this period, the students will be able to:

- Revise all the concepts of chapter 5.

Resource Materials:

Worksheet

Teaching and Learning Activities: 10mins

- Before beginning the lesson, ask students to say "Tasmiya."
- Tell students today they are going to revise the chapter. So that they can easily prepare themselves for exams.
- Ask students to revise the topics. Guide them if needed.
- Now arrange them, and distribute worksheet among them.
- Ask them to solve worksheet on time.

Review: 10mins

Check students worksheets and correct their mistakes.

Evaluation: 0mins

N/A

Homework: 0mins

N/A

Answer the following questions.

i) Differentiate between boiling and evaporation.

ii) What is rusting?

iii) What is a sublimation?

iv) How is a shadow formed?

v) Define solvent, solution and solute.
