

# Lesson Plan

Grade: Five

Subject: Science

Term: 3<sup>rd</sup>

Time: 40min

Teacher's Name: \_\_\_\_\_

Week: 2

Day: 1

Chapter 8: Structure of the Earth

Topic: Sources of Water

## Objective(s):

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

- Describe the sources of water on Earth.

## Resource Materials:

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

## Warm-up Activities

5mins

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

Ask them: Which water is used for drinking? Take their good responses.

## Teaching and Learning Activities:

25mins

- Write down the topic name 'Sources of water' on board.
- Tell the students today we will learn about the sources of water.
- Tell them rain is the main source of water.
- It is the purest form of natural water.
- Tell the students about other source of water.
- Surface water is any body of water above ground, including streams. Rivers, Lakes, Ponds, Ocean and seas.'
- Melting of snow on mountains also adds to the surface water.
- Now tell the students ground water is also main source of water like rain water and surface water.
- Ground water is water that exists underground in saturated zones beneath the land surface.
- Ask the students to open their textbook. And read the contents.

## Review:

3mins

Explain the main points about the sources of water.

## Evaluation:

5mins

To check the understanding of students, ask them:

- Define surface water.
- How is water essential for life on Earth?
- Tell the main sources of water.

## Homework:

2mins

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

## Worksheet

Q1. Label the sources of water below by choosing the right answer.



# Lesson Plan

Grade: Five

Subject: Science

Term: 3<sup>rd</sup>

Time: 40min

Teacher's Name: \_\_\_\_\_

Week: 2

Day: 2

Chapter 8: Structure of the Earth

Topic: Decantation

## Objective(s):

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

- Describe the sources of water on Earth.

## Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

## Warm-up Activities

5mins

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

Ask them: What are the main sources of water? Take their good responses.

Appreciate them for good responses.

## Teaching and Learning Activities:

25mins

- Write down the topic name 'Decantation' on board.
- Tell the students today we will learn about decantation.
- Tell them what is decantation?
- Decantation is the process of separation of liquid from solid and other non-mixing liquids, by removing the liquid layer at the top from the layers of solid or liquid below.
- Now tell the students about the process of decantation step by step.
- Take muddy water in a beaker and stir it well.
- Allow the mixture to stand undisturbed for a few minutes.
- The heavier soil particles will settle down at the bottom.
- Now without disturbing it, drain the top layer of clear water into another breaker.
- The impurities are left behind.
- Ask them to open the textbooks and do the activity.

## Review:

3mins

Explain the main points about decantation.

## Evaluation:

5mins

To check the understanding of students, ask them:

- What is decantation?

## Homework:

2mins

Ask students to learn the topic.

# Lesson Plan

<b>Grade:</b> Five	<b>Subject:</b> Science	<b>Term:</b> 3 <sup>rd</sup>	<b>Time:</b> 40min
<b>Teacher's Name:</b> _____		<b>Week:</b> 2	<b>Day:</b> 3
<b>Chapter 8:</b> Structure of the Earth		<b>Topic:</b> Filtration	

## Objective(s):

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

- Describe the sources of water on Earth.

## 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 is decantation? Take their responses. Appreciate them for good responses.

## Teaching and Learning Activities:

**25mins**

- Write down the topic name 'Filtration' on board.
- Tell the students today we will learn about filtration.
- Filtration: 'It is the process of removing insoluble substances from the liquid by allowing them to pass through a filter paper'.
- Filtration is used in our homes, laboratories and industries.
- Tell them the process of filtration step by step.
- Take a funnel.
- Make a cone of circular filter paper.
- Place the cone inside a wet funnel.
- Place a glass rod in the funnel.
- Place a beaker below the funnel.
- Pour the decanted water, flowing along the rod on the filter paper in the funnel.
- Ask the students to observe that clean water trickles into the beaker, it is called filtrate.
- Soil particles impurities are left behind in the filter paper and they are called residue.
- Ask the students to open their textbooks and do the activity.

## Review:

**3mins**

Explain the main points about filtration.

## Evaluation:

**5mins**

To check the understanding of students, ask them:

- Define filtration.
- What are the uses of filtration?

## Homework:

**2mins**

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

## Worksheet

Q1. Label the given figure.



# Filtration

# Lesson Plan

Grade: Five

Subject: Science

Term: 3<sup>rd</sup>

Time: 40min

Teacher's Name: \_\_\_\_\_

Week: 2

Day: 4

Chapter 8: Structure of the Earth

Topic: Water Cycle

## Objective(s):

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

- Describe the sources of water on Earth.

## Resource Materials:

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

## Warm-up Activities

5mins

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

Ask them: Define filtration. Take their responses. Appreciate them for good responses.

## Teaching and Learning Activities:

25mins

- Write down the topic name 'Water Cycle' on board.
- Tell the students today we will learn about water cycle.
- The water cycle shows the continuous movement of water within the Earth and atmosphere.
- It is a complex system that includes many different processes.
- Liquid water evaporates into water vapour, condenses to form clouds, and precipitates back, to earth in the form of rain and snow.
- Ask the students: What is water cycle? Take their responses and appreciate them.
- Write the answer on the board. 'The continuous circulation of water in nature is called water cycle'.
- Ask the students to open their textbooks and do the activity.

## Review:

3mins

Explain the main points about water cycle.

## Evaluation:

5mins

To check the understanding of students, ask them:

- Define water cycle.

## Homework:

2mins

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

## Worksheet

**Q1. Answer the following questions.**

i) Define water cycle.

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ii) Define residue.

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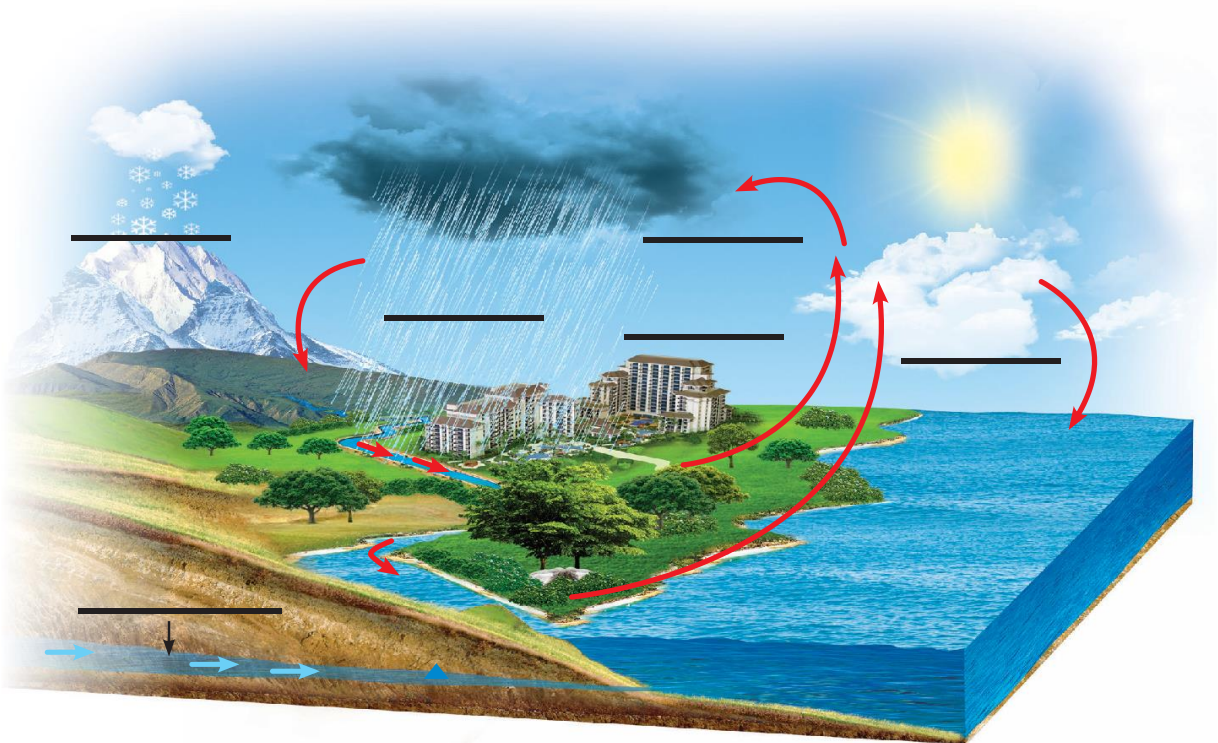
iii) Define filtration.

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**Q.2 Label the water cycle diagram given below.**



# Lesson Plan

Grade: Five

Subject: Science

Term: 3<sup>rd</sup>

Time: 40min

Teacher's Name: \_\_\_\_\_

Week: 2

Day: 5

Chapter 8: Structure of the Earth

Topic: Clouds

## Objective(s):

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

- Describe the sources of water on Earth.

## Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

## Warm-up Activities

5mins

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

Ask them: What do you know about water cycle? Take their responses.

## Teaching and Learning Activities:

25mins

- Write down the topic name 'Clouds' on board.
- Tell the students today we will learn about the clouds.
- Tell them, water from oceans, lakes, rivers and ponds evaporates due to the heat of the Sun.
- The water vapour condenses to form tiny droplets of water.
- These droplets stick together to form clouds.
- Tell them when the clouds cannot hold their heavy water droplets, they start to fall down to the ground as rain.
- Clouds are an essential part of the water cycle.
- Ask the students to open their textbooks and read the contents.

## Review:

3mins

Explain the main points about clouds.

## Evaluation:

5mins

To check the understanding of students, ask them:

- How clouds are formed?

## Homework:

2mins

Ask students to learn the topic.