1 MARK Nov 2025

What is One of the prob - lems

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Answer:

One of the prob - lems with simplification of complicated material is the chance that the reader may be misguided.

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What is Chemistry? (From: Introduction)

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Answer:

Chemistry is the study of substances and the changes they undergo.

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What is However, we can put all matter into three large groups that are? (From: Introduction)

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Answer:

However, we can put all matter into three large groups that are called the physical states of matter: Chemical Characteristics of Water 1 Chemistry – The study of substances and the changes they undergo.

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What is Chemistry? (From: Introduction)

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Answer:

Chemistry is the study of substances and the _____ they undergo.

1 MARK Nov 2025

What is The basic substances, which cannot be broken down to simpler substances, are? (From: Introduction)

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Answer:

The basic substances, which cannot be broken down to simpler substances, are called elements 6.

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What is An atom? (From: Introduction)

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Answer:

An atom is the smallest unit of an element.

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What is A(n) _____? (From: Introduction)

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Answer:

A(n) _____ is a basic substance that cannot be broken down any further without changing the nature of the substance.

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What is A(n) _____? (From: Introduction)

Hide Answer

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Answer:

A(n) _____ is the smallest unit of an element.

2 MARKS | Nov 2025

Explain Chapter as discussed in Introduction.

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Answer:

--- Page 1 of 25 --- What Is In This Chapter? Disease and disease transmission Chapter 2Basic Science Concepts Key Words • Aerobic • Alkalinity • Anaerobic • Anion • Aquatic • Bacteria • Cation • Chemistry • Colloidal • Colloidal Solids • Covalent Bond • Disinfection • Dissolved Solids • Element • Electromagnetism • Facultative • Fungi • Gases • Ion • Ionization • Liquids • Matter • Microorganism

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Explain Material as discussed in Introduction.

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Answer:

Disease and disease transmission Chapter 2Basic Science Concepts Key Words • Aerobic • Alkalinity • Anaerobic • Anion • Aquatic • Bacteria • Cation • Chemistry • Colloidal • Colloidal Solids • Covalent Bond • Disinfection • Dissolved Solids • Element • Electromagnetism • Facultative • Fungi • Gases • Ion • Ionization • Liquids • Matter • Microorganisms • Precipitate • Protozoa • Saturated Solutio

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Explain result, as discussed in Introduction.

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Answer:

As a result, certain complicated concepts have been greatly simplified.

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Explain One of the prob lems with simplification of compl as discussed in Introduction.

Hide Answer

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Answer:

--- Page 1 of 25 --- What Is In This Chapter? 1. Chemical characteristics of water 2. Elements 3. Compounds 4. Constituents in water 5. Biological characteristics of water 6. Disease and disease transmission Chapter 2Basic Science Concepts Key Words • Aerobic • Alkalinity • Anaerobic • Anion • Aquatic • Bacteria • Cation • Chemistry • Colloidal • Colloidal Solids • Covalent Bond • Disinfection • D

2 MARKS | Nov 2025

Explain You as discussed in Introduction.

Hide Answer

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Answer:

Lesson Content This lesson is divided into distinct areas: • Chemical characteristics of water • Biological characteristics of water Introduction The Operator as Chemist When you light a match to start a fire, when you take your first breath of fresh morn - ing air, when you put sugar in a steaming cup of coffee, when you digest that deli - cious donut, when gasoline explodes to power your car, a

2 MARKS | Nov 2025

Explain You as discussed in Introduction.

Hide Answer

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Answer:

Lesson Content This lesson is divided into distinct areas: • Chemical characteristics of water • Biological characteristics of water Introduction The Operator as Chemist When you light a match to start a fire, when you take your first breath of fresh morn - ing air, when you put sugar in a steaming cup of coffee, when you digest that deli - cious donut, when gasoline explodes to power your car, a

10 MARKS

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Discuss Chapter comprehensively as explained in Introduction. Include all key aspects, characteristics, and implications.

Hide Answer

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Answer:

--- Page 1 of 25 --- What Is In This Chapter? 1. Chemical characteristics of

water 2. Elements 3. Compounds 4. Constituents in water 5. Biological characteristics of water 6. Disease and disease transmission Chapter 2Basic Science Concepts Key Words • Aerobic • Alkalinity • Anaerobic • Anion • Aquatic • Bacteria • Cation • Chemistry • Colloidal • Colloidal Solids • Covalent Bond • Disinfection • Dissolved Solids • Element • Electromagnetism • Facultative • Fungi • Gases • Ion • Ionization • Liquids • Matter • Microorganisms • Precipitate • Protozoa • Saturated Solution • Solids • Solute • Solvent • Spores • Sterilization • Suspended Solids • Total Solids • Turbidity • Viruses • Waterborne Pathogens --- Page 2 of 25 --- 22 Chapter 2 Basic Science Concepts The following material is provided as basic background information necessary to understand the components and processes associated with drinking water systems. Material Depth Care has been taken to maintain the depth of the material at the Level I operator. As a result, certain complicated concepts have been greatly simplified. One of the prob - lems with simplification of complicated material is the chance that the reader may be misguided. If this should happen, we apologize. Lesson Content This lesson is divided

into distinct areas: • Chemical characteristics of water • Biological characteristics of water Introduction The Operator as Chemist When you light a match to start a fire, when you take your first breath of fresh morn - ing air, when you put sugar in a steaming cup of coffee, when you digest that deli - cious donut, when gasoline explodes to power your car, and when you add chlorine to water to make it safe, a chemical reaction takes place. You are dealing with the substances around you and the way those substances react with one another. You are as much a chemist as the person in a laboratory in a white coat with a test tube in hand. When you treat drinking water, you are also a chemist. You are working w