

# CHEMISTRY PRACTICAL VIVA QUESTIONS WITH ANSWERS

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**What questions can be asked in chemistry viva?**

**How do I prepare for chemistry practical?**

**What should we write in chemistry practical?** You are doing chemistry, so reactions must be described by means of chemical equations, and the chemical formulas of substances must be included where appropriate.

**What are Viva questions?** What are viva questions? A viva simply means a university examination during which students answer questions in speech and these questions are commonly based on a particular project or discipline. Viva questions are an important part of an academic program and often take place at the conclusion of a semester/year.

**What is the toughest question in chemistry?** The hardest questions in General Chemistry focus on Titrations, Electrochemistry, and Thermodynamics/Kinetics purely because they're multi-step, math heavy, topics. The hardest questions in a chemistry degree depend on your strengths.

**What is asked in chemistry practical?** Ans. The practical experiments include topics like surface chemistry, chemical kinetics, thermochemistry, electrochemistry, chromatography, preparation of inorganic and organic compounds, tests for functional groups, and qualitative analysis.

**What are the basic knowledge of chemistry practical?** It discusses 7 key areas of chemistry practicals: [1] titration and volumetric analysis, [2] thermochemistry, [3]

chemical kinetics, [4] qualitative analysis, [5] solubility, [6] flame tests, and [7] physical chemistry. For each area, it provides details on procedures, concepts, and sample calculations.

**What are the topics of chemistry practical?**

**How long is chemistry practical?**

**What are possible questions in chemistry?**

**What are basic chemistry questions?**

**Which type of questions are asked in a chemistry interview?** All question were subject based:- 1) what is Bohr Burry scheme 2) what is variable valency 3) what is voice box what is its scientific term 4) explain the different lattice structure. Q8. Questions will be based in class 6-12, state, cbse, icse syllabus.

**What is the general question for Viva?** What have you found the most interesting aspect of your research? 3. How did your thinking about this topic develop as you went through this research process?

## **Section 17.1 The Flow of Energy: Heat and Work**

### **Answer Key**

#### **Questions:**

1. What is the difference between heat and work?
2. What are the three modes of heat transfer?
3. What is the first law of thermodynamics?
4. What is the relationship between work and heat?
5. How does a heat engine work?

#### **Answers:**

##### **1. Difference between Heat and Work**

- Heat is the transfer of thermal energy due to a difference in temperature.
- Work is the transfer of energy due to a force acting over a distance.

## 2. Modes of Heat Transfer

- Conduction: Heat transfer through direct contact between objects.
- Convection: Heat transfer through the movement of fluids.
- Radiation: Heat transfer through electromagnetic waves.

## 3. First Law of Thermodynamics

- The total energy of an isolated system remains constant. Energy can only be transferred or transformed, not created or destroyed.

## 4. Relationship between Work and Heat

- In a closed system, heat added to the system is equal to the work done on the system plus the change in internal energy. ( $W = Q + \Delta U$ )

## 5. How a Heat Engine Works

- A heat engine converts heat into work.
- It takes in heat from a high-temperature reservoir, converts part of it into work, and rejects the remaining heat to a low-temperature reservoir.

# All About Tangerines: Your Tangy Citrus Questions Answered

Tangerines, a vibrant and delicious citrus fruit, are known for their sweet and tangy flavor. Rich in nutrients, they offer a wide range of health benefits. Here's a comprehensive guide to answer all your tangerine-related questions:

## 1. What are tangerines?

Tangerines are small, round to slightly oblate citrus fruits with a thin, easily peelable skin. They belong to the Rutaceae family and are closely related to oranges. Tangerines typically have a deep orange or yellow-orange color and a sweet, slightly tart flavor.

## 2. What are the different types of tangerines?

There are several varieties of tangerines, including:

- **Clementines:** Small, seedless tangerines with a juicy, sweet flavor.
- **Satsumas:** Larger tangerines with a looser skin and a slightly sweeter flavor.
- **Dancy tangerines:** A hybrid between tangerines and oranges, known for their deep red-orange color and tangy flavor.

## 3. Are tangerines healthy?

Yes, tangerines are a highly nutritious fruit. They are rich in:

- **Vitamin C:** Essential for immune function and antioxidant protection.
- **Potassium:** Helps regulate blood pressure and aids muscle function.
- **Fiber:** Supports digestive health and promotes satiety.
- **Antioxidants:** Protects against damage from free radicals.

## 4. How do I choose the best tangerines?

When selecting tangerines, choose those with:

- **Bright, blemish-free skin:** Avoid any fruits with dents, bruises, or mold.
- **Firm but slightly yielding to gentle pressure:** Ripe tangerines are not too soft but not rock-hard either.
- **A sweet, citrusy aroma:** Sniff the tangerines to ensure they have a fresh, fruity scent.

## 5. How can I incorporate tangerines into my diet?

Tangerines can be enjoyed in various ways:

- **Fresh:** Simply peel and eat them as a sweet snack.
- **Juiced:** Extract the fresh juice for a refreshing and nutritious drink.
- **Salads:** Add segments to salads for a burst of flavor and vitamin C.

- **Desserts:** Use tangerine slices or zest in baked goods, pies, and sorbets.

## Workplace Safety Crossword Puzzle: Answers Revealed

**Question 1:** A hazard that can cause slips, trips, and falls. **Answer:** PYM

**Question 2:** A device that protects workers from electrocution. **Answer:** FEZ

**Question 3:** A substance that can cause respiratory problems if inhaled. **Answer:** OMDA

**Question 4:** A type of personal protective equipment that protects the eyes from flying debris. **Answer:** ZOA

**Question 5:** A procedure that ensures that equipment is safe for use. **Answer:** MDE

[section 17 1 the flow of energy heat and work answer key, tangerine, workplace safety crossword puzzle answers pym fezomda](#)

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