

# TOPIC 9 LABORATORY SKILLS

## ANSWERS

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#### Topic 9: Laboratory Skills Answers

**Question 1: What is the correct way to measure the volume of a liquid using a graduated cylinder?**

**Answer:** Hold the graduated cylinder at eye level and read the meniscus (the curve at the top of the liquid column) at the bottom of the curve.

**Question 2: How do you prepare a 10% solution of NaCl?**

**Answer:** Weigh 10 grams of NaCl and dissolve it in 90 mL of water. Then, mix thoroughly.

**Question 3: What is the difference between a hypothesis and a theory?**

**Answer:** A hypothesis is a tentative explanation for a phenomenon, while a theory is a well-substantiated explanation that has been supported by extensive evidence.

**Question 4: What are the safety precautions to follow when using a Bunsen burner?**

**Answer:** Ensure a clear workspace, keep flammable materials away, and tie back long hair and clothing. Never point the flame at anyone or yourself.

**Question 5: What is the purpose of a microscope slide and coverslip?**

**Answer:** A slide provides a flat surface to place the specimen, while a coverslip holds the specimen in place and prevents it from drying out.

## The Trumpet: A Guide to the Brass Instrument

### What is a trumpet?

A trumpet is a brass instrument with a distinctive conical bore and a flared bell. It is played by blowing air through a mouthpiece and vibrating the player's lips. The trumpet is a member of the brass family and is related to the cornet, flugelhorn, and tuba.

### What are the different types of trumpets?

There are many different types of trumpets, each with its own unique sound and playing characteristics. Some of the most common types of trumpets include:

- **Bb trumpet:** The Bb trumpet is the most common type of trumpet and is used in a wide variety of musical genres.
- **C trumpet:** The C trumpet is a higher-pitched trumpet than the Bb trumpet and is often used in classical music.
- **D trumpet:** The D trumpet is a higher-pitched trumpet than the C trumpet and is often used in jazz and big band music.
- **Piccolo trumpet:** The piccolo trumpet is the highest-pitched trumpet and is often used in solo and chamber music.

### How is a trumpet played?

The trumpet is played by blowing air through a mouthpiece and vibrating the player's lips. The pitch of the trumpet is determined by the length of the tubing and the position of the player's lips. The trumpet player uses their fingers to press down on the valves, which changes the length of the tubing and produces different notes.

### What is the range of a trumpet?

The range of a trumpet is typically from Bb<sub>2</sub> to C<sub>7</sub>. However, some trumpets can play higher or lower notes.

### What is the trumpet used for?

The trumpet is used in a wide variety of musical genres, including classical music, jazz, big band music, and rock music. The trumpet is also used in military bands and for ceremonial purposes.

**What is the short summary of Things Fall Apart?** The story follows Okonkwo, a man who, as white missionaries arrive in his tribe and start changing tradition, his life quite literally falls apart. Okonkwo's life is symbolic of Africa's pre-colonial lives and traditions and how it is forever changed by European colonialism.

**What is the main idea of all Things Fall Apart?** What is the main message of "Things Fall Apart"? Things Fall Apart is about the struggle between change and tradition, which is amplified by the introduction of Christianity. This struggle is portrayed individually through Okonkwo and societally by the actions of his fellow clansmen.

**What is the main theme of the novel Things Fall Apart?** These themes include colonization, family, religion, tradition, language, masculinity, and fate and free will. Things Fall Apart follows Okonkwo, the novel's protagonist, as he navigates relationships with his family, community, and culture all while his culture is being erased through colonization.

**What is the point of Things Fall Apart?** He wants to set the records straight about the complexity and nobility of the Igbo people and their traditional way of life. He wants to correct his people's misconceptions about themselves, ones enforced by years of British imperialist education that has taught them that they are inferior.

**What is the big idea of Things Fall Apart?** The Struggle Between Change and Tradition As a story about a culture on the verge of change, Things Fall Apart deals with how the prospect and reality of change affect various characters. The tension about whether change should be privileged over tradition often involves questions of personal status.

**What is the final message of Things Fall Apart?** As the book's title says, in his eyes, it seems that everything that he has known is falling apart: tradition, religion, uniqueness of his people... Writer wanted to show us how much some people are attached to their customs and beliefs. He ended his own life because he couldn't

watch losing all that.

**What is the moral lesson of Things Fall Apart?** The novel *Things Fall Apart* ultimately conveys the message that change is inevitable and that it is important to be open to new ideas and ways of life. Okonkwo's refusal to accept change leads to his downfall, while those who are more open to change are able to adapt and survive.

**Why is the book Things Fall Apart so important?** *Things Fall Apart* is an abiding lesson on decolonising narratives about Africa, according to Iheanyi Igboke, executive director of the Centre for Memories, a cultural organisation in Nigeria that functions as "a repository of the history and culture of nd? Igbo (the Igbo people)".

**What is the conclusion of Things Fall Apart?** Caught between his rage that the nine villages would succumb to European rule and the futility of fighting the Europeans alone, Okonkwo retreats to his compound and hangs himself. With this act, Okonkwo lives up to his role as a tragic hero whose struggles with society ultimately lead to death.

**What is the climax of the Things Fall Apart?** The climax of *Things Fall Apart*, without any questions is when Okonkwo returns from exile, and he then sees how much Umuofia has transformed. The end and purpose of this is then the death of Okonkwo. Which concluded in the brawl between the white man and the Ibo culture.

**How many wives does Okonkwo have?** Okonkwo's Wives Okonkwo has three wives in the novel. His first wife is only referred to as "first wife" or "Nwoye's mother", Ekwefi is his second wife and the mother of Ezinma, and Ojiugo is his youngest and third wife. Okonkwo sees his wives as his property and reduces their value to servitude.

**What is the main conflict in the novel Things Fall Apart?** Major conflict On one level, the conflict is between the traditional society of Umuofia and the new customs brought by the whites, which are in turn adopted by many of the villagers. Okonkwo also struggles to be as different from his deceased father as possible.

**Why is Things Fall Apart controversial?** Achebe's choice to write in English has caused controversy. While both African and non-African critics agree that Achebe

modelled *Things Fall Apart* on classic European literature, they disagree about whether his novel upholds a Western model, or, in fact, subverts or confronts it.

**What grade level is *Things Fall Apart*?** Lexile Measure of the Book This guide provides the Lexile® measure for every chapter in this book and is intended to help inform instruction. This book's Lexile measure is 890L and is frequently taught in the 9th and 10th grade.

**Who is Okonkwo's favorite wife?** Chinua Achebe's 1958 novel *Things Fall Apart* follows an Igbo leader, Okonkwo, through his tumultuous life in colonial Nigeria. His second wife Ekwefi is perhaps his favorite of all of his wives, and her daughter is by far his favorite child.

**What is the idea of *Things Fall Apart*?** *Things Fall Apart* is about the connection between the tragic downfall of Okonkwo, whose fate and temperamental weakness combine to destroy, and the destruction of his culture and society as the Igbo way of life is assailed by forces they do not understand and are unprepared to face.

**What is so special about *Things Fall Apart*?** It's an important part of postcolonial literature because it tells the story of colonisation from the perspective of the colonized, indigenous people. It gives a glimpse into the precolonial Ibo/Igbo society with all its qualities and follies without making any value judgment.

**What is the paradox in *Things Fall Apart*?** " One of the most ironic events in *Things Fall Apart* includes Okonkwo's death. The paradox comes in Okonkwo's use of his inflexible will to achieve success despite obstacles. In the end, this same determination leads to his death by suicide.

**Why is Okonkwo's death ironic?** In *Things Fall Apart*, the irony is that a proud, successful, and important man such as Okonkwo ends up hanging himself. It's tragic irony because the reader has many hints that this might happen. The reader sees on multiple occasions that Okonkwo doesn't deal well with change.

**What is Okonkwo's tragic flaw?** The protagonist of *Things Fall Apart*, Okonkwo is also considered a tragic hero. A tragic hero holds a position of power and prestige, chooses his course of action, possesses a tragic flaw, and gains awareness of circumstances that lead to his fall. Okonkwo's tragic flaw is his fear of weakness and

failure.

**Why is *Things Fall Apart* a tragedy?** Answer and Explanation: *Things Fall Apart* is a tragedy because it follows Okonkwo's downfall within his clan.

**What is the key purpose of the novel *Things Fall Apart*?** The novel chronicles the life of Okonkwo, the leader of an Igbo community, from the events leading up to his banishment from the community for accidentally killing a clansman, through the seven years of his exile, to his return, and it addresses a particular problem of emergent Africa—the intrusion in the 1890s of ...

**What does *Things Fall Apart* symbolize?** “*Things Fall Apart*” by Chinua Achebe portrays the clash between African traditional culture and the forces of colonialism. Through the story of Okonkwo, a proud Igbo warrior, Achebe explores themes of cultural identity, change, and the impact of external influences on indigenous societies.

**What is the story telling in *Things Fall Apart*?** Acts of storytelling appear again and again throughout *Things Fall Apart* as a means of establishing the cultural values of the Igbo and the Europeans, as well as highlighting the power struggle between them. Perhaps the most significant aspect of this storytelling motif, however, is its oral nature.

**What is the story behind *Things Fall Apart*?** *Things Fall Apart* is the debut novel of Nigerian author Chinua Achebe, first published in 1958. It depicts the events of pre-colonial life in Igboland, a cultural area in modern-day southeastern Nigeria, and the subsequent appearance of European missionaries and colonial forces in the late 19th century.

**What is the main lesson of *Things Fall Apart*?** Quick answer: One of the most important moral lessons of *Things Fall Apart* is the danger of what we would now call toxic masculinity. Okonkwo epitomizes this attitude, even though it damages those around him, including members of his own family.

**What is a short summary of a novel?** A novel's summary discusses its themes and how they arise from the book's characters and plot. A book summary is not the same as a book review. While a book review might include a summary, a review is, by

nature, the writer's personal opinion of a book. In contrast, a summary is an objective piece of writing.

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**Why was Things Fall Apart banned?** Things Fall Apart, a cornerstone of African literature, was banned in Malaysia because of the fact that it was critical of colonialism.

**Why is the book Things Fall Apart so important?** Things Fall Apart is an abiding lesson on decolonising narratives about Africa, according to Iheanyi Igboko, executive director of the Centre for Memories, a cultural organisation in Nigeria that functions as "a repository of the history and culture of nd? Igbo (the Igbo people)".

**What is the conclusion of Things Fall Apart?** Caught between his rage that the nine villages would succumb to European rule and the futility of fighting the Europeans alone, Okonkwo retreats to his compound and hangs himself. With this act, Okonkwo lives up to his role as a tragic hero whose struggles with society ultimately lead to death.

**Why was Ikemefuna killed?** Okonkwo kills Ikemefuna because he does not want to be thought as weak by the other men who are with him. The theme of tradition can be seen in the ultimate reason for Ikemefuna's death. He is murdered because the oracle has decided he must be killed to atone for the killing of a young Umuofian woman.

**What is Okonkwo's greatest fear?** 6. What were Okonkwo's greatest fear and greatest passion? He was afraid that he would resemble his father. His greatest passion was to hate everything his father loved.

**How many wives does Okonkwo have?** Okonkwo's Wives Okonkwo has three wives in the novel. His first wife is only referred to as "first wife" or "Nwoye's mother", Ekwefi is his second wife and the mother of Ezinma, and Ojiugo is his youngest and

third wife. Okonkwo sees his wives as his property and reduces their value to servitude.

**What is the brief summary of the story?** A story summary is an objective overview of the story that focuses on the narrative arc of the story, highlighting the beginning, middle, and end, without personal opinions or analysis. The goal is to give the reader a clear understanding of the story's core events.

**What is the plot summary of a short story?** The plot of a short story is made up of all of the story's main events. Short stories generally have just one conflict, or struggle, that the main character experiences. Conflict may be between the main character and other characters, society, nature, or himself/herself.

**What is a simple summary?** A summary begins with an introductory sentence that states the text's title, author and main point of the text as you see it. A summary is written in your own words. A summary contains only the ideas of the original text. Do not insert any of your own opinions, interpretations, deductions or comments into a summary.

**What is the moral of Things Fall Apart?** The novel Things Fall Apart ultimately conveys the message that change is inevitable and that it is important to be open to new ideas and ways of life. Okonkwo's refusal to accept change leads to his downfall, while those who are more open to change are able to adapt and survive.

**What actually falls apart in Things Fall Apart?** Through a close and transactional reading of the novel this study demonstrates that Igbo's culture and religion didn't fall apart but changed and in fact, what falls apart in Things Fall Apart is Okonkwo, the protagonist of the novel.

**What is the conflict of Things Fall Apart?** Major conflict On one level, the conflict is between the traditional society of Umuofia and the new customs brought by the whites, which are in turn adopted by many of the villagers. Okonkwo also struggles to be as different from his deceased father as possible.

## **You Raise Me Up: A Timeless Anthem**

### **Introduction**



"You Raise Me Up" is a contemporary Christian hymn that has become a worldwide phenomenon. Composed by Rolf Løvland and Brendan Graham, it has been recorded by numerous artists and performed at countless events. Its uplifting lyrics and soaring melody have resonated with people from all walks of life.

**Question: Who wrote "You Raise Me Up"?** Answer: Rolf Løvland and Brendan Graham

### **Verse 1**

The first verse of "You Raise Me Up" speaks of feeling lost and defeated. The singer cries out to God for help, begging to be lifted up from their despair.

**Question: What is the meaning of the line "When I am down and, oh my soul, so weary"?** Answer: It refers to a state of deep emotional and spiritual distress.

### **Chorus**

The chorus of the song is a powerful affirmation of God's love and support. The singer declares that God raises them up, like a mighty hand, and fills their heart with light.

**Question: What does the phrase "You raise me up, so I can stand on mountains" symbolize?** Answer: It represents the overwhelming strength and encouragement that God provides, enabling the singer to overcome obstacles.

### **Verse 2**

The second verse reflects on the beauty of creation and the wonder of God's love. The singer marvels at the majesty of the mountains and the vastness of the ocean.

**Question: How does the second verse connect to the theme of the song?** Answer: It reinforces the idea that God is the ultimate source of joy and inspiration, lifting the singer above earthly troubles.

### **Outro**

The outro repeats the chorus, emphasizing the enduring power of God's love. The singer expresses their unwavering faith and hope in the words, "I am strong when I

am on your shoulder, you raise me up to more than I can be."

**Question: What is the message conveyed by the outro?** Answer: It highlights the transformative power of God's love, which empowers and uplifts the singer to overcome life's challenges.

[trumpet, things fall apart summary, you raise me up words and music by rolf lovland and brendan graham arr mark hayes choral octavo ttbb](#)

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