

Unit 9: States of Matter (Phase Changes and Gas Laws)

***PLEASE COMPLETE THE Unit PRE-test before beginning the unit.**

- You should be spending at least **60 minutes** a day on Chemistry Curriculum.
- Just watching the video notes and taking the post assessments may not be enough to understand the material. Printing and completing the note taking guide is recommended.
- Completing all practices immediately after taking a post assessment is also recommended. Seeking help if you are not passing your post assessments and/or practices is essential.
- If you are behind you **MUST** spend additional time on Chemistry to catch up and meet due dates!

Unit 9 Vocabulary

- Unit 9 Vocabulary is optional

States of Matter & Entropy Video Notes

- Note taking guide provided. Print copy for reference
- Read pp. 385-386, 404-409, 514-516 as a resource

Phases & Entropy Post Assessment

- notes are required if post assessment is not passed with a 80% by 3rd attempt
- Pass by 4/18, 3:30 PM

Entropy Practice

- will open up after scoring 80% on post assess.
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Phase Diagrams Practice

- will open up after scoring 80% on post assess.
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Phase Change & Enthalpy Video Notes

- Note taking guide provided. Print copy for reference
- Read pp. 502-505 as an additional resource

Phase Change & Enthalpy Post Assessment

- notes are required if post assessment is not passed with a 80% by 3rd attempt
- Pass by 4/20, 3:30 PM

Phase Change Enthalpy Practice

- will open up after scoring 80% on post assess
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Heat Curve Practice

- will open up after scoring 80% on post assess
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Heat of Fusion Lab

- will open up after submitting passing post assessment
- This lab must be completed in the classroom
- Refer to rubric for scoring before submitting
- Submit by 4/25 (corrections through 4/25, 11:59 PM)

Fluid Properties & Temp Conversion Video Notes

- Note taking guide provided. Print copy for reference
- Read pp. 27-30, 386-390, 396-398 as a resource

Fluid Prop. & Temp Conversion Post Assess.

- notes are required if post assessment is not passed with a 80% by 3rd attempt
- Pass by 4/26, 3:30 PM

Fluid Properties & Temp Conversion Practice

- will open up after scoring 80% on post assess
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Concept Quiz 1 (Phase Change, Entropy, Enthalpy)

- Quiz will open up after post assess on Temp Convers
- **Completing all practices before the Concept Quiz is recommended.**
- **Complete Quiz in the classroom by 4/28, 3:30 PM**
- If you earn below 65% on the quiz you must:
 - Complete all Note Taking Guides and all practices
 - Retake the quiz and pass with a 65% or higher

Gas Laws Video Notes

- Note taking guide provided. Print copy for reference
- Read pp. 419- 426 as an additional resource

Gas Laws Post Assessment

- notes are required if post assessment is not passed with a 80% by 3rd attempt
- Pass by 5/1, 3:30 PM

Gas Laws Practice

- will open up after scoring 80% on post assess
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Boyle's Law Lab

- will open up after submitting passing post assessment
- This lab must be completed in the classroom
- Refer to rubric for scoring before submitting
- Submit by 5/3 (corrections through 5/3, 11:59 PM)

Combined Gas Law/Avogadro's Principle Video Notes

- Note taking guide provided. Print copy for reference
- Read pp. 428-433 as an additional resource

Combined Gas Law/Avogadro's Prin Post Assessment

- notes are required if post assessment is not passed with a 80% by 3rd attempt
- Pass by 5/4, 3:30 PM

Combined Gas Law Practice

- will open up after scoring 80% on post assess
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Avogadro's Principle Practice

- will open up after scoring 80% on post assess
- **Practices are strongly encouraged before moving on to help with mastering the material.**

Bonus Pressure/Temperature Lab (Extra Credit)

- will open up after passing post assessment
- This lab must be completed in the classroom
- Refer to rubric for scoring before submitting
- Submit by 5/9, 11:59 PM
- Extra Credit will not be accepted late

Optional Crib Sheet for Unit 9 Test

- If all practices are completed until a 75% or better is earned, you may use a "teacher guided" crib sheet.
- Pick up the color crib sheet from your teacher at least ONE DAY prior to taking the test.

Unit 9 Test

- **Completing all practices before the Unit Test is recommended. (*Catch your error before the test.*)**
- Test must be completed in the classroom
- Pass by 5/10, 2:30 PM

Retake Unit 9 Test

- If you earn below 65% on the Test you must watch videos &:
 - Compete all Note Taking Guides
 - Complete all practices in the unit and Submit
 - Retake Unit 8 Test and pass with a 65% or higher