**AP Chemistry Daily Videos**

[**3.4 Ideal Gas Law**](https://unit-resources-apclassroom.s3.amazonaws.com/Chemistry/Unit_Guides/Chemistry_Unit3.pdf?Signature=3S4V7SjRWHxTmch0ghZ29gLwceQ%3D&Expires=1604974289&AWSAccessKeyId=ASIAXUCCNI2WTQ4KHXII&x-amz-security-token=IQoJb3JpZ2luX2VjEPr//////////wEaCXVzLWVhc3QtMSJIMEYCIQDdaIdbzbURvw6FdQwiyNvDxToRmhRCCn4fwaPRdW9agQIhAO40xpv84epjCOcFmAXOQqRqxwe7ISMTakBXJNLMqdeLKrQDCGIQABoMNTI0MTI1MjkyMjA1IgyQTBSJYNuoEeAFMZkqkQNTDiyzeo/Bj582HhK2D2sAzF7j04X/hsx6Fc2rX9EePln0LScUinAeKQ7Uybg3%2BIP3BEx%2BGiyy9aL4PNgj7%2B7t%2BTIhJ5Gdd2/QjWk/Ro6Q13ixmZV8NdzeTYhCGOb6sqxRrBRSq3rNcX0MorIVZtuIKGCQ6m9Vt1jF0NOXKTkd5DhYSgt9WgBDlWUioaT9V6c31dyCL4ZlF18x8u9w9lXSGyhlIsoE7wD5gJWGsxY88hvyjsfUYp6O8%2BQ46lgE4bs8oUycYYyioXiDz238HEUUd59Wk3Sbpek/isjbC5FnbJWElGfWh%2BPYVoyRBHBMxcvgjrzW9KkKMkd8UAiZYTt8Z21XJ%2BDxc2W502IR8q3hvyjw/4SI4RmTMWm0NmkILzWiQZFJc1581esIFQwrNMDbsqY/hB3uHSrQDbMY1%2BHoph4A1DvQKSRHfydpD59gj/89KKEqY4sHRVZzZ1QvTq8dwGR4RsQJ9/aENj8mjVwC90BGXuxb2oe1WG%2BX4VXjOeDS1OlJZDaIw%2B06L5%2Bo3pojgjCc8qX9BTrqAUYByCYpwUNhlhtNu5LAMvox4ecKCkNQ9xVh2/9rYKk/i58VOcqz30RdO6no%2B0JU8pqnZjWJ8fKXJBT389uwompTlfgYcIEAhggr552Qoyd3dzau4neb9TKvjbqOUW1%2B7F2beOOxYeibTXYHq3o71zHGg155k1vf6Ixbuhrvof3bhlHo8pe8TjTzQNnuSmuGrkL%2B9Fc2mDmZgJGkHD8rznCu6abIajYWTzw3kX8kcv6qW4D/DRZ/OmXOPvUtQxJ3rHM%2BKq7doMlSSnOtcnmY3jfEo6e3WesKDXZUPa1USuiQKv%2Bn4Vwawq%2BnHw%3D%3D#T3.4)

[**Daily Video #1**](https://apclassroom.collegeboard.org/7/home?apd=2q9ix92itx)

1. What are the different variables used in the Ideal Gas Law?
2. What is the relationship between volume and pressure?
3. Sketch a graph that represents this relationship.
4. What is the relationship between number of moles and pressure?
5. Sketch a graph that represents this relationship.
6. What is the relationship between temperature and pressure?
7. Sketch a graph that represents this relationship.
8. Combining all of these relationships together we get the ideal gas law. What is the Ideal Gas Law?
9. What is R? What is the value of R?
10. Pause the video at 11:00, 11:43, and 12:38 and attempt the problem, then evaluate how you did and identify any errors.



[**Daily Video #2**](https://apclassroom.collegeboard.org/7/home?apd=m4fpr7fwo4)

1. What is partial pressure?
2. What is Dalton’s Law of partial pressures?
3. Define mole fraction
4. What is the relationship between partial pressure and mole fraction?
5. Pause the video at 7:04 and attempt the problem, then evaluate how you did and identify any errors.



[**Daily Video #3**](https://apclassroom.collegeboard.org/7/home?apd=rkql3de81y)

1. Pause the video at 1:23 and attempt the problem, then evaluate how you did and identify any errors.



1. Pause the video at 4:36 and attempt the problem, then evaluate how you did and identify any errors



1. Pause the video at 6:25 and attempt the problem, then evaluate how you did and identify any errors



1. Pause the video at 98:34 and attempt the problem, then evaluate how you did and identify any errors

