

Charles's Law Lab Data Sheet

Data

Pressure (kPa)	Temperature (°C)	Temperature (K)	Constant, k (P / T or $P \cdot T$)
85.43 kPa	-14.1 C	259.05 K	0.3298
88.12 kPa	2.5 C	275.65 K	0.3197
93.17 kPa	20.9 C	294.05 K	0.3169
99.15 kPa	48.8 C	321.95 K	0.3080
107.83 kPa	91.5 C	364.65 K	0.2957

- In order to perform this experiment, what two experimental factors were kept constant?

Moles of Gas and Volume

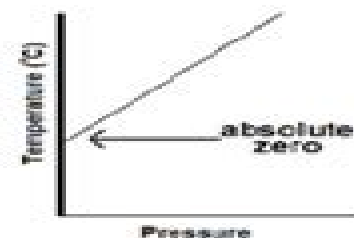
- Based on the data and graph that you obtained for this experiment, express in words the relationship between gas pressure and temperature.

Directly proportional

- Explain this relationship using the concepts of molecular velocity and collisions of molecules.

The more the temperature increased, there was more kinetic energy within the molecules hence a higher amount of collisions, which increased pressure.

- The data that you have collected can also be used to determine the value for absolute zero on the Celsius temperature scale. Instead of plotting pressure versus Kelvin temperature like we did above, this time you will plot Celsius temperature on the y-axis and pressure on the x-axis. Since absolute zero is the temperature at which the pressure theoretically becomes equal to zero, the temperature where the regression line (the extension of the temperature-pressure curve) intercepts the y-axis should be the Celsius temperature value for absolute zero. You can use the data you collected in this experiment to determine a value for absolute zero. Rescale the temperature axis from a minimum of -300°C to a maximum of 200°C . This may be done by clicking on the minimum or maximum value displayed on the graph axis and editing them. The pressure axis should be scaled from 0 kPa to 150 kPa.



Plot a Linear Fit line. A best-fit linear regression curve will be shown for the five data points. The equation for the regression line will be displayed in a box on the graph, in the form $y = mx + b$. The numerical value for b is the y-intercept and represents the Celsius value for absolute zero. What value does your data suggest to be absolute zero (i.e. what is your y-intercept)?

-134.75 K

Answer Key For Charles Law Data Sheet

SJ Ball



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Answer Key For Charles Law Data Sheet :

Jung on Active Imagination The goal of active imagination is to build a functional bridge from consciousness into the unconscious, which Jung terms the "transcendent function." This ... Jung on Active Imagination He termed this therapeutic method "active imagination." This method is based on the natural healing function of the imagination, and its many expressions. Active imagination As developed by Carl Jung between 1913 and 1916, active imagination is a meditation technique wherein the contents of one's unconscious are translated into ... A Guide to Active Imagination Dec 9, 2021 — Active Imagination is a technique that was developed by Carl Jung to access the unconscious in waking life. When we consider engaging the ... Jung on Active Imagination He termed this therapeutic method "active imagination." This method is based on the natural healing function of the imagination, and its many expressions. Jung on Active Imagination Jung learned to develop an ongoing relationship with his lively creative spirit through the power of imagination and fantasies. He termed this therapeutic ... Active Imagination: Confrontation with the Unconscious Active Imagination Active imagination is a method of assimilating unconscious contents (dreams, fantasies, etc.) through some form of self-expression. The object of

active ... Active Imagination: Confrontation with the Unconscious May 9, 2022 — Although Jung held dreams in high regard, he considered active imagination to be an even more effective path to the unconscious. The difference ... Jung on active imagination. by CG Jung · 1997 · Cited by 319 — Abstract. This volume introduces Jung's writings on active imagination. For many years, people have had to search throughout the Collected Works and elsewhere, ... SET 7-DSE-ENG LANG 1-B2-RP-1 OXFORD ESSENTIAL HKDSE PRACTICE PAPERS SET 7. ENGLISH LANGUAGE PAPER 1. PART ... Read Text 4 and answer questions 49-72 in the Question-Answer Book for Part B2. OAPP19 Set 3 P1 Answers.pdf - OXFORD ADVANCED ... View OAPP19_Set_3_P1_Answers.pdf from ENG EAP at HKU. OXFORD ADVANCED HKDSE PRACTICE PAPERS Set 3 Papers 1-4 Performance record Name: Class: Mark (%) Date ... Heos videos Oxford Advanced Hkdse Practice Papers Set7 Answer 208177 · 01:08. Heos. J1311 Passat Alltrack 14 5 Dd · 01:10. Heos. Advanced Accounting 10th Edition Baker ... Oxford Advanced Hkdse Practice Papers Answer 2020-2023 Complete Oxford Advanced Hkdse Practice Papers Answer 2020-2023 online with US Legal Forms. Easily fill out PDF blank, edit, and sign them. 2 1 Unbeatable HKDSE support Sep 8, 2015 — Read Text 3 and answer questions 24-36 on pages 1-2 of the Question-Answer ... Oxford Essential and Oxford Advanced HKDSE Practice Papers can be. Oxford ESSENTIAL and ADVANCED HKDSE Practice ... answers. Detailed answer explanations with marking tips. 2019 HKDSE. FORMATS to be included in complete edition. **. Brand new content. Authentic HKDSE exam ... [oxford advanced hkdse practice papers teacher edition] ... Oxford Advanced HKDSE Practice Papers (2016edition). HK\$25. [set 7-9 Set 1-6 no answer book, only reading. [oxford advanced hkdse practice papers" [Oxford Advanced HKDSE Practice Papers (2016edition). HK\$25. [set 7-9 Set 1-6 no answer book, only reading. Oxford Essential Exam Skills Paper 3 [Fill Oxford Essential Exam Skills Paper 3 [Edit online. Sign, fax and printable from PC, iPad, tablet or mobile with pdfFiller [Instantly. Try Now! Parallel Myths by Bierlein, J.F. This is an extremely well-researched and well-organized volume comparing the mythological stories of past civilizations and showing similarities and trends ... Parallel Myths - Kindle edition by Bierlein, J.F.. Literature & ... This is an extremely well-researched and well-organized volume comparing the mythological stories of past civilizations and showing similarities and trends ... Parallel Myths by J.F. Bierlein: 9780345381460 About Parallel Myths Bierlein gathers the key myths from all of the world's major traditions and reveals their common themes, images, and meanings. Parallel Myths by J.F. Bierlein, Paperback This is a marvelous compilation of myths from around the world: western, non-western, and Native American. It is a great book for classes focusing on world ... Parallel Myths by J.F. Bierlein Juxtaposing the most potent stories and symbols from each tradition, Bierlein explores the parallels in such key topics as creation myths, flood myths, tales ... Parallel Myths Summary and Study Guide Parallel Myths by J. F. Bierlein, a scholarly study of cultural mythology and its extensive cross-cultural intersectionality, was originally published in ... Parallel Myths Parallel Myths. J. F. Bierlein. Ballantine Books, \$15.95 (368pp) ISBN 978-0-345-38146-0. A religious scholar and lifelong student of mythology, Bierlein (The ... Parallel Myths - J.F. Bierlein

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