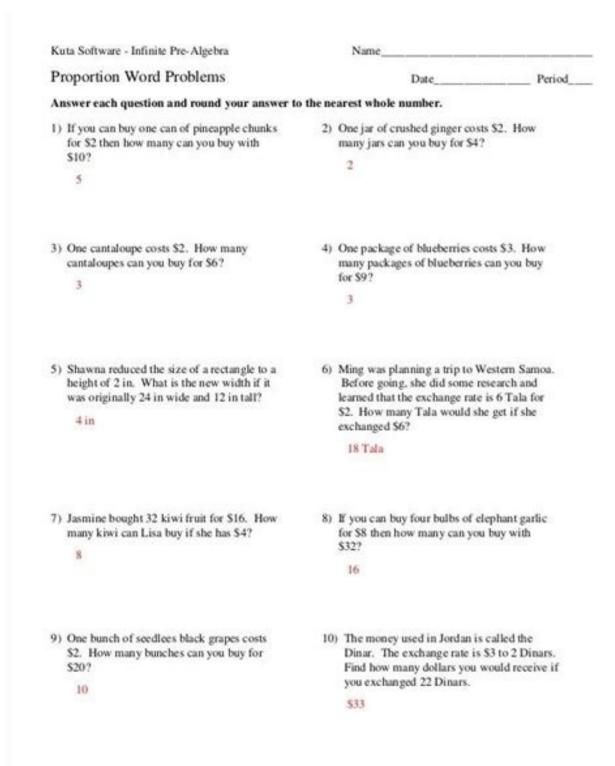
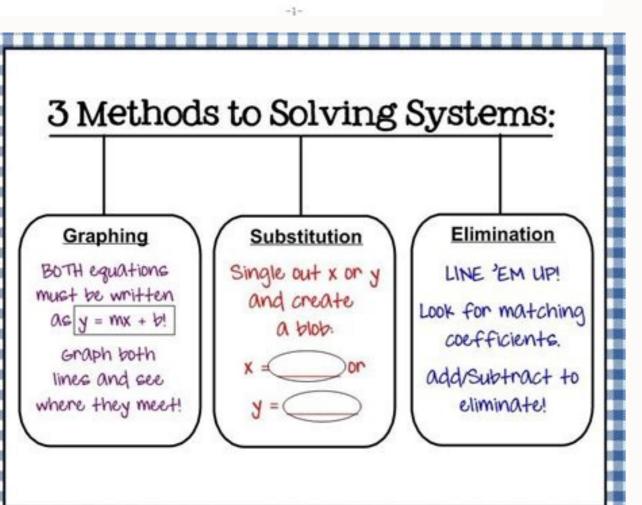
Empirical rule worksheet kuta

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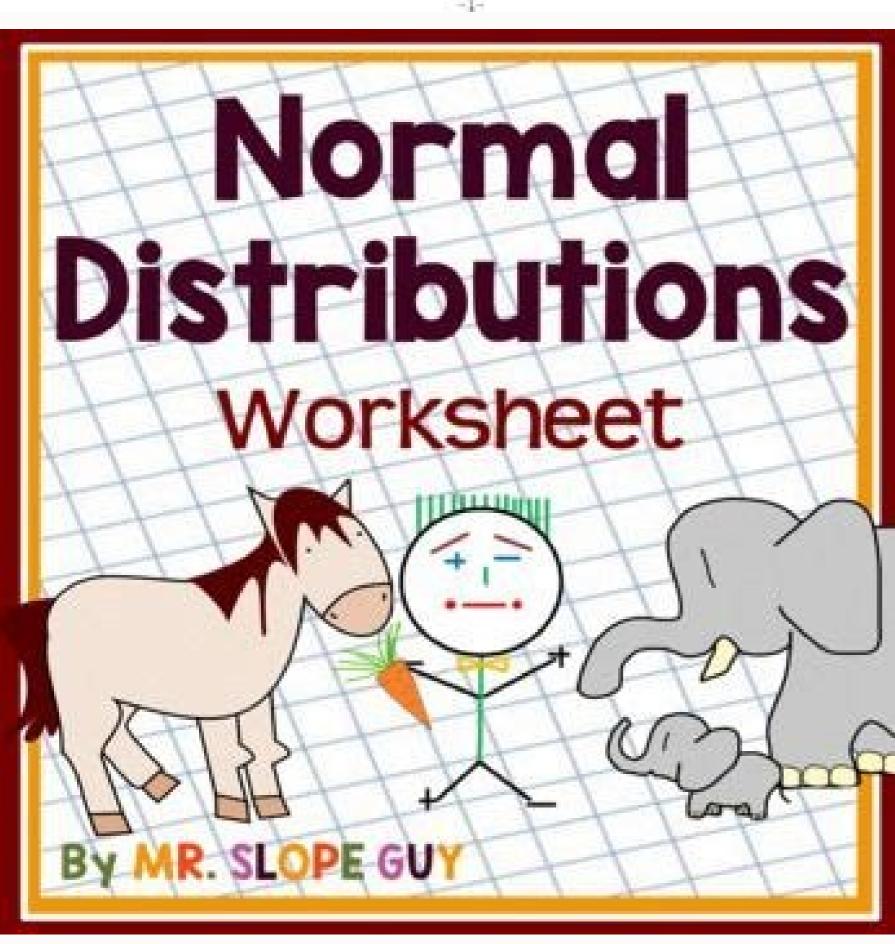






| Kuta Software - Infinite Algebra 2 | Name |
|--|--|
| Classifying Conic Sections | DutePeriod |
| Classify each conic section. | |
| 1) $x^2 + y^2 = 30$ | $2) x^2 + y^2 = 36$ |
| $33 \frac{x^2}{9} + \frac{y^2}{16} - 1$ | $4y \cdot x = y^{2}$ |
| 5) $x = (y + 4)^2 - 2$ | $61 \ \frac{y^2}{25} - \frac{x^2}{25} = 1$ |
| 7) $y = (x-1)^2 + 3$ | $31 \left(x - 1\right)^2 + \frac{y^2}{25} = 1$ |
| Classify each conic section and write its eq | puation in standard form. |
| $9) - x^2 + 10x + y - 21 = 0$ | $100) -2y^{2} + x - 20y - 49 = 0$ |
| $(1) x^2 + 2x + y - 1 = 0$ | $12) x^{2} + y^{2} + 6x - 2y + 9 = 0$ |
| $(3) x^{1} - y^{1} - 2x - 8 = 0$ | $141.3x^{2} + 30x + y + 79 = 0$ |

 $16x - y^2 + x + 8y - 17 = 0$



 $(5) -9x^2 + y^2 - 72x - 153 = 0$

This NON-calculator unit is designed for math department chairs, specialists, coaches, administrators, lead teachers. It contains IMPORTANT information you need to cover Virginia SOL A.9 and AII.11 (Z-Scores, Standard Deviation, Normal Curve, Empirical Rule) properly. Please enjoy. If you have any questions or comments please do not hesitate to contact me at rturner31@gmail.com. I appreciate your feedback! Thanks for your purchase. Page 2Chemistry Lab: Determination Of Empirical Formulaby An empirical formula consists of the elements of the compound. In this lab, students will determine an empirical formula from experimental data. Students will oxidize tin by treating it with nitric acid. Students will predict a formula for the resulting compound. Purpose Normal Distribution and Empirical Ruleby I've used this worksheet in going over normal distribution, z-score, empirical rule to estimate the shaded region from a picture. Then 3 problems where they select the regions to give a desired area. A word problem using normal distribution. The second side contains 6 problems where they must calculate tEmpirical Formula of 6 commercial items. Isopropyl alcohol • Boric acid• Root killer• Washing soda• Epsom salt• Household ammoniaFirst day of empirical Formula • Guided practice - 2 problems• Student checks answer key• Student calculates Empirical Formula • Guided practice - 2 problems• Independent practice - 3 there will be a task sheet and a commercial botTypes:Students find the Empirical Formula of Epsom Salt. Minutes in set-up time! Three different versions! Bunsen Burner or Hot PlateComplete Lesson: PPT, Warm-up, Exit Ticket, Lab PaperStudents: drive off water of hydration each calculate percent water and given elemental percentages to find formulaLab Contains: Student Lab Sheet Student Lab Sheet or Absent Students With Answers in Italics Lab Quiz - Use as exit ticket, next day warm-up or quiz Lab Quiuse this powerpoint presentation to present students with directions to make a 3 flap foldable to teach how to solve problems with percent composition, empirical formulas. Students take extra care to make their flip notes on tests and quizzes. The slides can be edited to fit the way that you teach concepts. Types: The following worksheets provide an introduction to probability suitable for a college course in quantitative literacy as well as a discussion of probability, odds, expected value, tree diagrams, and probabilities with "and" & "or". If you are not interested in all worksheets, please feel free to check out their individual listings below: Empirical and Theoretical Probability WorksheetOdds Against aGreat AP Stats notes on the NORMAL DISTRIBUTION & Z-SCORES! Students will use the Normal Model and Empirical Rule (68-95-99.7% Rule) to find a data value, calculate z-scores, and find the area under the Normal curve using both the z-score formula and TI-84 Plus CE calculator functions. Students will also interpret z-scores in context, write the Normal Model notation N(μ, σ), and determine whether a data value can be considered "unusual." Perfect for AP Stats Exam review prep! Aligns with AP**WATCH THE PREVIEW VIDEO. FROM THE CREATORS OF THE ESCAPE PREVIEW AND FIND OUT FOR YOURSELF WHY WE ARE THE ORIGINAL AND THE #1 ESCAPE ROOM MATERIAL USED BY THOUSANDS OF TEACHERS AND SCHOOLS**INCLUDES: 1) Escape Room Activity2) Handout Material3) Lesson Plan On Subject 4) Power Point Presentation5) Promotional Videos 6) How-To Video7) Count Downs 8) Test **The interactive nature of our videos set us apart from all other curriculum sources. Students LOVE our Super Villains, and will beg you for more. When was the last time your students beggedThis graphic organizer covers the precursors to teaching stoichiometry. The students begin reviewing atomic mass, molar mass, moles and Avogadro's number. Each definition is coupled with practice problems for the students to solve percent composition, there are instructions on how to solve percent composition from the compounds formula and from masses given. The last two concepts covered are empirical formulas and molecular formulas. Again there are practice problems youEmpirical Formula Labby In this lab, students use iron filings (or steel wool) and hydrogen peroxide to produce iron (III) oxide and water. This lab takes 10-15 minutes daily for a period of four days. Its easy prep, easy disposal, and safe procedures make it ideal for high school classrooms. The preview contains ALL pages. I hope you are able to use this product for the betterment of your students and it makes your life easier. If there is a topic you would like me to develop a product for or if you would like me to develop a product for you would like me to develop a product for you would like me to develop a prod reinforcement, or as an alternative assessment. This complete unit worksheet contains 38 matching, fill-in-the-blank, and problem style questions. Students will practice converting elements and compounds between moles, mass, and particles using the concepts of molar mass, the mole, and Avogadro's Number. Students will practice calculatiPage 41 use this as my Honors students practice empirical formulas. I have adapted it to be a little more fun for the students. It provides 7 different scenarios, so if you wish to use it (I personally don't). In my class, I use my school name, county, my name, and my favorite coffee brand and if you would like to edit it match yours, please send me an email and I will send you the wordPage 5Students must correctly connects the wrong part, the caterpillar will be cut short. That is why this game is called DON'T-CUT-d-PILLAR. This product includes worksheet, answer key, instruction, and other activity ideas. There are 2 cards that contain the same answer, C7H6O2. One of them mustPage 6Two page practice sheet for students calculate empirical and molecular formulas. Students are given percentages of elements and calculate the formulas. Great for a high school chemistry teacher who is just starting to teach this topic. Easy to modify to fit your needs. Has a list of steps students have to go through to do the calculations. Please checkout my high school Chemistry materials: Click Here!Subjects:Guided worksheet that reviews determining percent composition of a compound, finding hydrate formulas based on mass from a dehydration reaction, using percent composition to determine empirical formulas based on experimental molar masses. Guided format with notes and examples built in for use in teaching the concept with a practice problem for each section. Great for introducing or reviewing concepts. 2 pages plus full answer keySubjects: Types: A quick station (15 stations) activity to review: simple mole conversions (mostly 1 step, a few 2 step conversions) (moles to particles, moles to mass, m empirical formula- molecular formula- answer sheet and answer key included- Word doc, so easy to edit to your preferencesGreat review. Get students moving around and practicing what they knoWhat's Included: A 1 page Word Document (to allow for easy modification if necessary) of 3 Problems-A 1 page Word Document (to allow for easy modification if necessary) of answers (with the work shown) for the 3 Problems are based on the following: a. Given a molecule's % by mass for each atom find the empirical formulab. Use the molecule's molar mass and empirical formula to find its molecular Formulas Interactive Diagramby These interactive Diagramby These interactive Diagramby These click-and-learn diagrams are Google Slides files designed to be used in several possible ways.* First, the teacher can use them to click and reveal different parts of the lesson as they teach on their own teaching video, which is ideal for flipped classrooms and other blended learning model classrooms.* Second, the teacher could provide a student with 7.7 Guided Notes Empirical Formulasby Guided notes that provide a concise explanation of the main topics in high school chemistry. Goal: 7.7 Determine the formulas for a compound from percent composition or mass composition and anion.7.2 Determine the formula for ionic compounds from the name.7.3 Name ionic compounds of known cation charge (group I & II, Ag+, Cd+2, Zn+2, Al+3 & NH4+1).7.4 Name ionic compounds from the previews contain ALL students. pages. When applicable, teacher keys included with purchase. I hope you are able to use this product for the betterment of your students and it makes your life easier. If there is a topic you would like me to develop a product for or if you would like me to alter an existing product to better match your teaching style, please let me know at threefourthsme@gmail.com.Remember, YOU ARE APPRECIATED!OtherPercent Composition via Empirical and Molecular Formula determination allow students to explore the Law of Definite Proportions, Conservation of Matter, and Stoichiometry as ratios of individual elements emerge from the math. There are lots of resources that can show students how to work through the determination of an empirical or molecular formula-this resource allow you to assess their knowledge via distance learning or online learning through a MOODLE management system (or another compatiQuestion banks for Molar Mass, % composition, Empirical Formulas, and Molecular Formulas. Includes a 7000+ Bonus Bank for Counting Atoms, These are NOT ExamView Ouestion Banks, Ouestion offer much more than just assessment tools. Quizzes caPage 7This NON-calculator unit is designed for math department chairs, specialists, coaches, administrators, lead teachers, and classroom teache properly. Please enjoy. If you have any questions or comments, please do not hesitate to contact me at rturner31@gmail.com. I appreciate your feedback! Thanks for your purchase. Page 8This file contains 1 % Composition/Stoichiometry Test, 2 guizzes and is 5 pages long. The topics covered in these assessments are calculating the mass percent, percent composition, empirical formula, molecular formula, and converting between moles, mass and particles. It also includes using stoichiometry to solve for the limiting reactant, the amount of excess reactant and the percent yieldPage 9This is lab uses the 5E format to investigate mass changes in determining the empirical formula of a hydrate. Materials needed for the lab include: crucible with lid, tongs, electronic balance, scoop, ring stand, clay triangle, bunsen burner, striker, and hydrate of your choice. After students determine the formula of a hydrate, they practice the same mathematical skill on a copper sulfide problem. The evaluation section asks the students to discuss how the law of conservation of mass applies toPage 10Easy to average level questions including a chart on subatomic particles; and finding empirical and molecular formulas. Straight forward examples. Best as a guiz or review - not enough for homework practice. Great as part of a home school curricula as well (how I use it). Can also be used for middle school students worksheet can be used after empirical and molecular formulas have been introduced. It covers the difference between the two, as well as, finding molar mass and empirical formulas by percent composition. It offers some answers so that the students must show their work to get credit. This is an easy worksheet to start students on learning the chemistry concept of the empirical formula. This would be great homework or classwork to give before jumping into the molecular formula. There are 5 problems on the sheet and an answer key is given. The 5 compounds are: H2O, NaCl, NH3, HCl, and CaCO3.I'm not perfect. If you find a mistake, let me know and I'll fix it for free.Want to Chat?tpttwitteryoutubeRelated Products Empirical Formula Worksheet with Worksheet designed to give students an opportunity to calculate empirical and theoretical probability. After each main guestion, students are also asked to identify whether the probability that they just calculated is an empirical or theoretical probability. This worksheet was designed for a college freshman course, Quantitative Literacy, but can easily be used in any course that asks students to differentiate between empirical and Molecular Formulas - Presentation * This presentation is designed to accompany the 22 page worksheet "Empirical and Molecular Formulas" which is also available here. This presentation goes through the problem-solving process. It also contains mapped diagrams showing all possible questions on this topic and the pathways for approaching each type of problem. Presentat Empirical Research Summary Chartby This chart can be used for students to summarize empirical research summary Chartby This chart can be used for students to summarize empirical research summary Chartby This chart can be used for students to summarize empirical research summarize empirical research summary Chartby This chart can be used for students to summarize empirical research summary Chartby This chart can be used for students to summarize empirical research summary Chartby This chart can be used for students to summarize empirical research summarize empirical research summary Chartby This chart can be used for students to summarize empirical research summariz aim, methods, results, discussion/ conclusions, strengths and limitations. Page 11 homologous series, trends in boiling points, empirical, molecular and structural formulas, structural isomers, IUPAC rules for naming, primary, secondary and tertiary carbon atoms, volatility and solubility in water, Alkanes, Alkenes, Alcohols, Halogenoalkanes and reaction pathways. Includes:- 1. Topic objectives 2. Informative notes with images 3. Questions and AnswersPage 12Removable word bank. Word bank. Word bank. Conclusions, Constant, Control, Dependent, Empirical, Experiment, Independent, Multiple, Numbers, One, Opinion, Qualitative, QuantitativeAttached powerpoint can be used for helpPage 13Full test using Google forms. Covers mole conversions, average atomic mass, percent composition, empirical & molecular formula, and counting protons, electrons, & neutrons. Questions are multiple choice, short answer, and calculations. Change or add questions to fit your lessons. Answers are provided and the form auto-grades the work. You and your students are given instant feedback and data. Version 2 (updated Sept '21) Page 14This 22 term matching worksheet will help to introduce your students to psychology, empirical method, introspection, cognitive activities, humanism, and other relevant terms. Can be used as a pretest, warm up, classwork assignment, quiz, or review. Answer key provided. Please visit my store! Shellye's Health Sciences and molecular formulas, percent composition by mass, determining the limiting reactant and percent yield. They include multiple choice, true and false, fill in the blank, matching, calculations, short answer and long answer calculations, short answer and long answer sets combined in one PDF. including: Significant Digits, Unit Analysis, Molar Mass Conversions, Avogadro's Number problems, we composition, empirical formula, molarity problems, formula, molarity to mass, dilution problems, molarity stoichiometry extbook used for Questions: Chemistry 11 McGraw-Hill Ryerson (download available on-line) Page 17This is the fifth lecture PowerPoint for a yearlong chemistry lecture series. This lecture covers moles, molar mass, average atomic mass calculations, percent composition, empirical formula and molecular formula. It includes example problems, Quick Check! sections, NGSS standards, and objectives. Along with the lecture, a student handout of fill in focus notes is included and goes along with the lecture. These fill in notes represent each slide, and include a space for students to write an ePage 18200 pages, 63 dialogues - Example topics include measurement and lab safety, mass vs weight, states of matter, heterogeneous vs homogeneous, surface tension, atomic structure, the periodic table, chemical formulas, the mole, empirical formulas, chemical reactions, stoichiometry, molecular structure, gas laws, solutions and colloids, suspensions, colligative, thermodynamics, acids, bases, and salts, titration, oxidation and reduction, nuclear chemistry, organic chemistry, polymers, chemistry in tPage 19This presentation is designed for the first week of school as an introduction to conducting science experiments. Topics include: scientific method, observations, qualitative and quantitative data, empirical evidence, precision, accuracy, communication in science, independent vs. dependent vs. dependent variables, constants and controls. In addition, there are two practice test questions at the end AND a manipulative activity to be done as a "closer" and revPage 20Here is a vocabulary quiz for Nature of Science Vocabulary. Included is a link to a Quizlet list of the words. List Includes: variable, valid, invalid, control variable, independent variable, dependent variable, dependent variable, conclusion, experiment, hypothesis, inference, observation, empirical evidence, prediction, modelPage 21Do not order this product if you don't have Examview. Statistics final exam. Dice, Cards, Probability, Chebyshev's Rule, Binomial Probability, Hyper-Geometric Probability, Geometric Probability, Poisson Probability, Circle Charts, Bar Charts, Histograms, nCr, nPr, combinations, permutations, counting principles, sample size, empirical rule, normal probability, confidence intervals, hypothesis tests, correlation, ANOVA, Goodness of fit, test of variance, test of independence and probability, confidence intervals, hypothesis tests, correlation, ANOVA, Goodness of fit, test of variance, test of independence and probability, confidence intervals, hypothesis tests, correlation, and probability is a probability of the probability of t the first chapter of Peck, Olsen, and Devore's "Introduction to Statistics and Data Analysis" 4th Edition. The chapter and PowerPoint focus on measures of central tendency including, mean, median, mode, variability, standard deviation, z-scores, Chebyshev's rule, the empirical rule, boxplots and normal distributions. Page 2336 short answer and written questions covering: • Sig figs, conversion of SI units, conversions using density, mole conversions; • States of matter: definitions of and map for properties of matter of matter of matter of matter of matter. empirical and molecular formulas, % composition; • Molarity; • Balancing Equations: stoichiometry, titration, identifying exothermic and Page 24Lab Safety Word Search PuzzleGreat for: Early Finishers, Emergency Sub Plan, Homework, Unit Supplement, Sponge Activity, Classwork, Test Review, Bell Ringer, Worksheet, No Prep Activity, Warm Up, Do Now...Simply Print and Go!Download the preview for a closer look. Check out these related Word SearchParts of a Microscope Word S

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