

Electrostatic Potential Lab

Name _____ Per _____

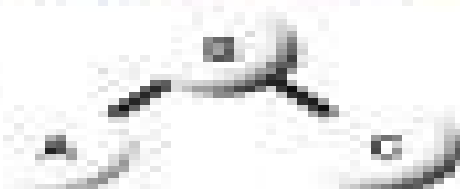
Circle the molecule below: Circle the ring carbon in the structure.

Part A: Three atom investigation

1. Click the "Keep the box" button adjacent to the ring carbon in the structure below and the bond to the right.
2. Change the electronegativity of **A** and **B** to **2.0** and **3.0** respectively. The electronegativity of atom **C** is 2.5. Observe the color, partial charges and bond structure. Write the following information: the electronegativity of atom B is _____, the partial charges are _____, and the bond structure is _____.
3. Now put the electronegativity of atom B to 2.5 and observe the electronegativity of B and observe the results. Fill in the following information:
 - a. The polarity arrow points to the _____ electronegative atom.
 - b. The partial positive charge is always on the _____ electronegative atom.
 - c. The larger the electronegativity difference is, the more _____ the bond structure.

Part B: Three atom investigation

1. Change the electronegativity of atom A to 2.0 and the electronegativity of atom **B** to **3.0**. Circle the ring carbon, the bond to the right, the bond to the left, and partial charges.
 - a. Draw the bond structure in the Lewis dot diagram.
 - b. In a different color, describe partial bond order in the diagram.
 - c. Draw the partial charge distribution position in the diagram.
 - d. Circle the electronegative. Add other electronegative the molecule, if any possible.
2. Click the "Keep the box" button adjacent to the ring carbon in the structure below and the bond to the right and **B** to **2.0**. Circle the ring carbon, the bond to the right, the bond to the left, and partial charges.
 - a. Draw the bond structure in the Lewis dot diagram.
 - b. In a different color, describe partial bond order in the diagram.
 - c. Draw the partial charge distribution position in the diagram.
 - d. Circle the electronegative. Add other electronegative the molecule, if any possible.



Answer Of Molecular Polarity Phet Lab

Lauren Gardner



Answer Of Molecular Polarity Phet Lab:

Simulations and Student Learning Matthew Schnurr, Anna MacLeod, 2021-01-04 The book underlines the value of simulation based education as an approach that fosters authentic engagement and deep learning Learning and Performance Assessment: Concepts, Methodologies, Tools, and Applications Management Association, Information Resources, 2019-10-11 As teaching strategies continue to change and evolve and technology use in classrooms continues to increase it is imperative that their impact on student learning is monitored and assessed New practices are being developed to enhance students participation especially in their own assessment be it through peer review reflective assessment the introduction of new technologies or other novel solutions Educators must remain up to date on the latest methods of evaluation and performance measurement techniques to ensure that their students excel Learning and Performance Assessment Concepts Methodologies Tools and Applications is a vital reference source that examines emerging perspectives on the theoretical and practical aspects of learning and performance based assessment techniques and applications within educational settings Highlighting a range of topics such as learning outcomes assessment design and peer assessment this multi volume book is ideally designed for educators administrative officials principals deans instructional designers school boards academicians researchers and education students seeking coverage on an educator s role in evaluation design and analyses of evaluation methods and outcomes Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education Vu, Phu, Fredrickson, Scott, Moore, Carl, 2016-12-28 The integration of technology has become an integral part of the educational environment By developing new methods of online learning students can be further aided in reaching goals and effectively solving problems The Handbook of Research on Innovative Pedagogies and Technologies for Online Learning in Higher Education is an authoritative reference source for the latest scholarly research on the implementation of instructional strategies tools and innovations in online learning environments Featuring extensive coverage across a range of relevant perspectives and topics such as social constructivism collaborative learning and projects and virtual worlds this publication is ideally designed for academicians practitioners and researchers seeking current research on best methods to effectively incorporate technology into the learning environment *Microbiology Abstracts*, 1976 **Amino-acid, Peptide & Protein Abstracts**, 1979 *Comprehensive Dissertation Index, 1861-1972: Chemistry* Xerox University Microfilms, 1973 **Electrical & Electronics Abstracts**, 1997 *Science Citation Index*, 1994 Vols for 1964 have guides and journal lists *Molecular Polarity*, **Chemistry Masteringchemistry Standalone Access Card** Nivaldo J. Tro, 2013-01-10 The Mastering platform is the most effective and widely used online homework tutorial and assessment system for the sciences It delivers self paced tutorials that focus on your course objectives provide individualized coaching and respond to each student s progress The Mastering system helps instructors maximize class time with easy to assign customizable and automatically graded assessments that motivate students to learn outside of class and arrive

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