

Name: _____

Sci # _____

COVALENT BOND WEBQUEST

DIRECTIONS: Answer the following by going to the notes website. You can go to Mrs. Slowiak's website and use the links or type in the addresses for each section if needed.

Activity #1- Introduction to Covalent Bonding

Open [Chemical Bonding](http://www.visionlearning.com/library/module_viewer.php?mid=55). Scroll down to the heading "Covalent Bonding." OR (http://www.visionlearning.com/library/module_viewer.php?mid=55)

1. As opposed to _____ bonding in which a complete transfer of electrons occur, _____ bonding occurs when two or more elements _____ electrons. Covalent bonding occurs because the atoms in the compound have a similar tendency for electrons (generally to _____ electrons). This most commonly occurs when two _____ bond together. Because both of the nonmetals will want to _____ electrons, the elements involved will share electrons in an effort to _____ their valence shells.

2. How many valence electrons are in one atom of hydrogen?

3. How many valence electrons does hydrogen need to have a full first shell?

4. How does the hydrogen atom "pick up" another electron?

5. What compound does hydrogen form?

6. How do hydrogen atoms make a covalent bond?

7. Visit the simulation, [Covalent bonding between hydrogen atoms](http://www.visionlearning.com/library/flash_viewer.php?oid=1348&mid=55). OR (http://www.visionlearning.com/library/flash_viewer.php?oid=1348&mid=55) Describe or draw what you see.

8. Label the substances below as "ionic" or "covalent".



Answer Sheet To Overview Chemical Bonds

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Answer Sheet To Overview Chemical Bonds:

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the baseline incineration system for the disposal of the bulk nerve and mustard agent stored in ton containers at Army sites located in Newport Indiana and Aberdeen Maryland respectively The committee assessed each technology by conducting site visits to the locations of the technology proponent companies and by meeting with state regulators and citizens of the affected areas This volume makes recommendations to the Army on which if any of the five technologies has reached a level of maturity appropriate for consideration for pilot scale testing at the two affected sites *Nuclear Science Abstracts* ,1975-03 MCAT General Chemistry Review 2026-2027 Kaplan Test Prep,2025-07-08 Kaplan s MCAT General Chemistry Review 2026 2027 offers an expert study plan detailed subject review and hundreds of online and in book practice questions all authored by the experts behind Kaplan s score raising MCAT prep course Prepping for the MCAT is a true challenge Kaplan can be your partner along the way offering guidance on where to focus your efforts and how to organize your review This book has been updated to match the AAMC s guidelines precisely no more worrying about whether your MCAT review is comprehensive The Most Practice More than 350 questions in the book and access to even more online more practice than any other MCAT general chemistry book on the market The Best Practice Comprehensive general chemistry subject review is written by top rated award winning Kaplan instructors Full color 3 D illustrations charts graphs and diagrams help turn even the most complex science into easy to visualize concepts All material is vetted by editors with advanced science degrees and by a medical doctor Online resources including a full length practice test help you practice in the same computer based format you ll see on Test Day Expert Guidance High yield badges throughout the book identify the topics most frequently tested by the AAMC We know the test The Kaplan MCAT team has spent years studying every MCAT related document available Kaplan s expert psychometricians ensure our practice questions and study materials are true to the test *Review of American Chemical Research* William Albert Noyes,1898 Review of American Chemical Research ,1897

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