

Unit 5 Map

Terms

Ion	Covalent Bond	Alloy
Anion	Molecule	Work
Cation	Polar Covalent Bond	Joule
Chemical Bond	Polar	Power
Ionic Bond	Nonpolar	Watt
Chemical Formula	Polyatomic Ion	Horsepower
Crystals	Metallic Bond	Oxidation Number

Complete the following chart:

Power	is measured in	
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is the rate of doing

	is measured in	
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which is equal to the
product of

	and	distance
is measured in		is measured in

Rules: Write the rules to follow for the following

Naming Ionic Compounds

Naming Covalent Compounds

I will find success with:

I will identify the type of bond shown between elements of a compound.

I will compare and contrast ionic, covalent, and metallic bonding.

I will illustrate different types of bonds using Lewis-dot diagrams.

I will apply Greek prefixes (mono, di, tri, tetra, etc.), to properly name covalent compounds.

I will demonstrate how to name formulas for elements found in Group 1, 2, and 3-18.

I will be able to identify the correct displacement from a word problem to solve for work.

I will solve word problems identifying $W=Fd$.

I will be able to identify scenarios where work is being done.

I will explain how work requires energy and the relationship between work and energy.

I will practice the process of how to calculate work to solve for power

I will solve problems in relation to work and power.

I will explain how work and power are related in solving problems.

Important Dates:

Review Day – March 26

Test Day – March 27

End of the nine weeks – March 27

Spring Break – March 30-April 5