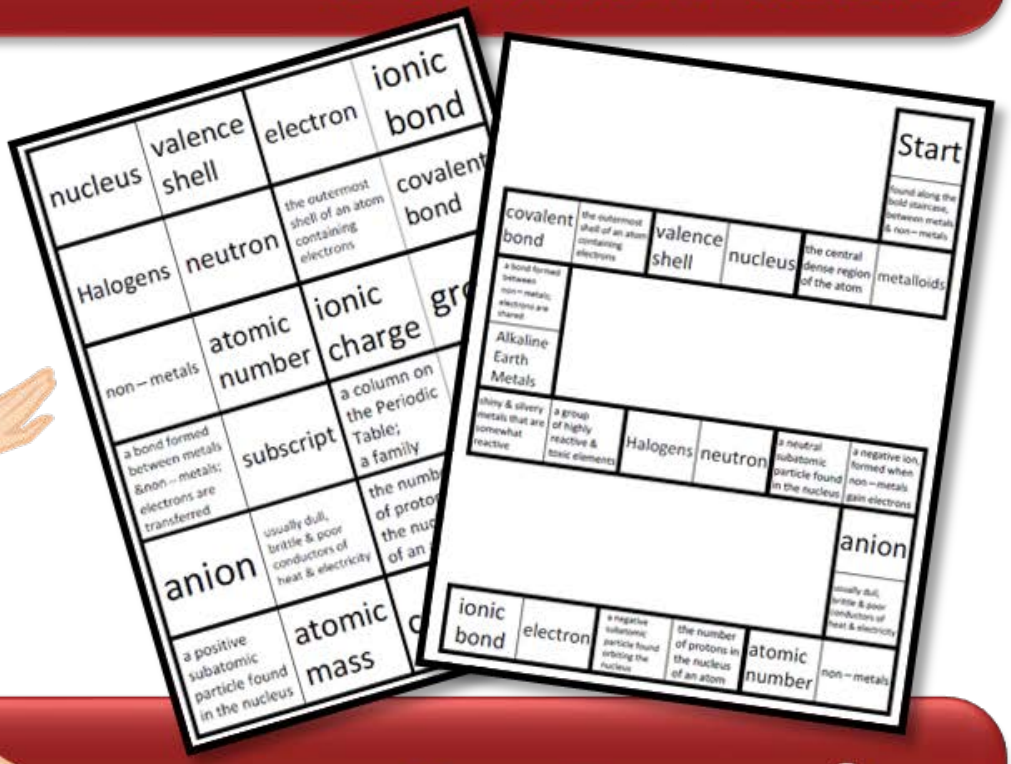
Periodic Table Terms
Domino Puzzle



Mrs. Brosseau's Binder

Periodic Table Terms
Domino Puzzle

Teacher Guide:

Use this Domino Puzzle to help students review common terms related to Chemistry and the Periodic Table of Elements. I use this puzzle with my Grade 9 & 10 Science classes for the Chemistry unit and is great review for older grades too!

I've included two different sizes of the same puzzle. The normal size requires 2 pieces of paper per puzzle and can be solved on the student's desk or on a table. The larger size requires 8 pieces of paper and quite a bit of space to solve!

Cut out the 24 game pieces. Students will begin with the domino piece labeled with "Start" and find the piece that has the definition to match with each term until the "Finish" piece is used. All pieces are used and the solution is included (note the shape will change depending on the student, but the order will always be the same). Students can use this to study independently, practice vocabulary or, for a fun challenge, use it in class and see which student or pair can solve the puzzle first!

I've been using these puzzles for years with great success! I recommend printing the puzzles on colorful paper and laminating them. This way you only have to cut them out once and they will last year after year!

The terms defined in this puzzle are:
Atomic number, atomic mass, group, period, electron, proton, neutron, nucleus, valence shell, ionic bond, covalent bond, cation, anion, metals, non-metals, metalloids, Alkali Metals, Alkaline Earth Metals, Halogens, Noble Gases, ionic charge and subscript

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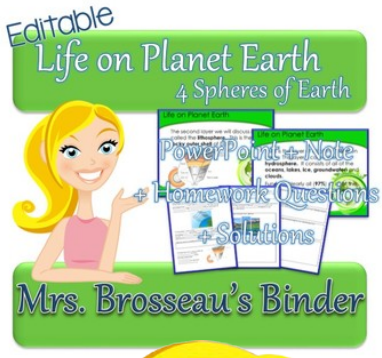

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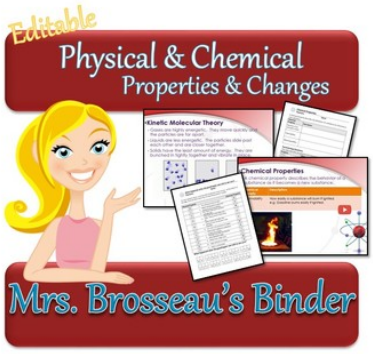

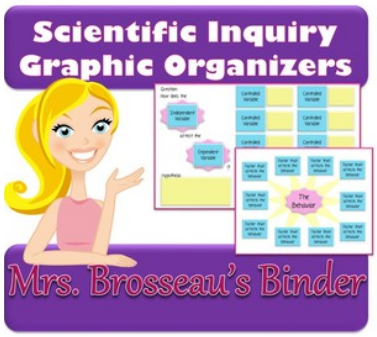

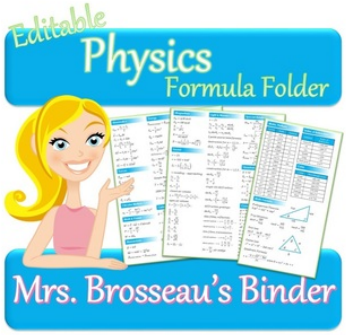

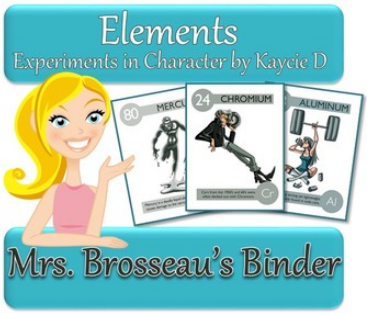

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					Start found along the bold staircase, between metals & non–metals
covalent bond	the outermost shell of an atom containing electrons	valence shell	nucleus	the central dense region of the atom	metalloids
a bond formed between non–metals; electrons are shared					
Alkaline Earth Metals					
shiny & silvery metals that are somewhat reactive	a group of highly reactive & toxic elements	Halogens	neutron	a neutral subatomic particle found in the nucleus	a negative ion, formed when non–metals gain electrons
					anion usually dull, brittle & poor conductors of heat & electricity
ionic bond	electron	a negative subatomic particle found orbiting the nucleus	the number of protons in the nucleus of an atom	atomic number	non–metals

					a bond formed between metals &non – metals; electrons are transferred
					subscript
Alkali Metals	odorless & colorless gases that are non – reactive	Noble Gases	An abbreviation for the element name, usually 1 or 2 letters	element symbol	indicates the number of each element in a chemical formula
a group of shiny & soft metals that are highly reactive					
a postive ion, formed when metals lose electrons					
cation	proton	a positive subatomic particle found in the nucleus	atomic mass	total mass of protons, neutrons and electrons	the charge on an ion
					ionic charge
					group
Finish	malleable, ductile & good conductors of heat & electricity	metals	a horizontal row on the Periodic Table	period	a column on the Periodic Table; a family

nucleus	valence shell	electron	ionic bond
Halogens	neutron	the outermost shell of an atom containing electrons	covalent bond
non – metals	atomic number	ionic charge	group
a bond formed between metals &non – metals; electrons are transferred	subscript	a column on the Periodic Table; a family	period
anion	usually dull, brittle & poor conductors of heat & electricity	the number of protons in the nucleus of an atom	a negative subatomic particle found orbiting the nucleus
a positive subatomic particle found in the nucleus	atomic mass	cation	proton

a horizontal row on the Periodic Table	metals	indicates the number of each element in a chemical formula	element symbol
metalloids	the central dense region of the atom	shiny & silvery metals that are somewhat reactive	a group of highly reactive & toxic elements
a neutral subatomic particle found in the nucleus	a negative ion, formed when non – metals gain electrons	An abbreviation for the element name, usually 1 or 2 letters	Noble Gases
total mass of protons, neutrons and electrons	the charge on an ion	a group of shiny & soft metals that are highly reactive	a postive ion, formed when metals lose electrons
a bond formed between non – metals; electrons are shared	Alkaline Earth Metals	malleable, ductile & good conductors of heat & electricity	Finish
odorless & colorless gases that are non – reactive	Alkali Metals	Start	found along the bold staircase, between metals & non – metals

nucleus	valence shell
Halogens	neutron
non – metals	atomic number

a bond formed between metals &non – metals; electrons are transferred	subscript
anion	usually dull, brittle & poor conductors of heat & electricity
a positive subatomic particle found in the nucleus	atomic mass

electron	ionic bond
the outermost shell of an atom containing electrons	covalent bond
ionic charge	group

a column on the Periodic Table; a family	period
the number of protons in the nucleus of an atom	a negative subatomic particle found orbiting the nucleus
cation	proton

a horizontal row on the Periodic Table	metals
metalloids	the central dense region of the atom
a neutral subatomic particle found in the nucleus	a negative ion, formed when non—metals gain electrons

total mass of protons, neutrons and electrons	the charge on an ion
a bond formed between non – metals; electrons are shared	Alkaline Earth Metals
odorless & colorless gases that are non – reactive	Alkali Metals

indicates the number of each element in a chemical formula	element symbol
shiny & silvery metals that are somewhat reactive	a group of highly reactive & toxic elements
An abbreviation for the element name, usually 1 or 2 letters	Noble Gases

a group of shiny & soft metals that are highly reactive	a postive ion, formed when metals lose electrons
malleable, ductile & good conductors of heat & electricity	Finish
Start	found along the bold staircase, between metals & non – metals