

Metallc + Ionic Bonds
Review Jeopardy key

Play This Game

Definitions

#1	A mixture of two or more metals	What is an alloy?
#2	Cation/anion combination	What is an ionic compound?
#3	Notation with chemical symbols & numerical subscripts to show the relative proportions of elements in a substance	What is a chemical formula?
#4	The lowest whole-number ratio of ions used to represent an ionic compound	What is a formula unit?
#5	The model used to explain why metals are malleable & ductile	What is the sea of electrons model?

Bonds, not James Bonds

#1	The bond between valence electrons of metals	What is a metallic bond?
#2	The bond between a metal & non-metal	What is an ionic bond?
#3	The bond between non-metals	What is a covalent bond?
#4	State of ionic compound at room temperature	What is a solid?
#5	The melting point of an ionic compound is	What is a high melting point?

Bond Groups & other charged figures

#1	Ions of the 7A group	What is a halide ion?
#2	Atoms tend to attain this when forming compounds	What is a noble gas configuration?
#3	The group of elements that could be arranged in a face-centered structure	What are the metals?
#4	The charge of an ionic compound	What is neutral?
#5	The group of elements that would most easily combine with bromine to create an ionic compound	What is the alkali metals?

Dots Rule!

#1	The chemical symbol for an element with a dot for each valence electron	What is an electron dot structure?
#2	The electron dot structure for stronium is	What is Sr with two dots around it
#3	The electron dot structure for stronium's ion is	What is Sr with a superscript of 2+
#4	The electron dot structure for iodine is	What is I with 7 dots around it?
#5	The electron dot structure for iodine's ion is	What is I with 8 dots around it w/a superscript of 1-

Formulas & Names

#1	The formula for barium's ion is	What is Ba with a 2+ superscript?
#2	The name of Na ₃ P	What is sodium phosphide?
#3	The formula for aluminum oxalate	What is Al ₂ (C ₂ O ₄) ₃ ?

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#4	The formula of ammonium carbonate	What is (NH ₄) ₂ CO ₃ ?
#5	The name of FeS	What is ironII sulfide?

Final Question

The number of ions of opposite charge surrounding each ion in a crystal	What is a coordination number?
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