

Ionic Bonding Tutorial

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Assignment Code: car15962

Name	Q1: Ions with the same charge will
AK	repel one another.

Q2: In order for ions to attract each other, they must
have opposite charges.

Q3: Positive ions occur when atoms LOSE electrons. Positive ions come from metals on the left side of the periodic table.

Q4: Negative ions occur when atoms
gain electrons.

Q5: When Na^{+1} and Cl^{-1} ions bond together, the compound is called

sodium chloride

Q6: Which of the following is NOT TRUE about a chloride ion?

decreases in size

Q7: If many ion pairs are nearby, they will spontaneously self-assemble into a crystal lattice.

Q8: Ion crystal are made of individual molecules.

False

Q9: In ionic compounds, the formula tells us the _____ of ions.

ratio

Q10: When Ca^{+2} ions and F^{-1} ions bond together, the calcium to fluoride ratio is 4:8, which reduces to a 1:2 ratio.

True

Q11: Magnesium forms a +2 ion. Chlorine forms a +1 ion. What is the chemical formula for magnesium chloride?

MgCl₂

Q12: Sodium forms a +1 ion. Phosphorus forms a -3 ion. What is the chemical formula for sodium phosphide?

Na₃P

Q13: Select all that apply: Which of the following pairs is ionically bonded?

Na and F

Q14: The chemical formula for potassium chloride is

KCl

Q15: The chemical formula for calcium bromide is	Number of Correct Answers
CaBr ₂	15

Date and Time Submitted

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