

Name _____

Ionic Bonding Speed Dating!

Part I: Fill out your ion card(s) using information from the periodic table (8 minutes)

Part II: Ions speed dating

1. Mingle with your classmates and combine your ions to form as many correct compounds as you can. In some cases you may need to use one partner's ion twice to form a correct compound.
2. For each compound write name of the compound in the chart.
3. You will earn 10 points for each correct compound name. 100 points is a perfect score. Each additional compound you make will earn you extra credit points.

Your ion symbol	Partner's ion symbol	Compound Name	Compound Formula
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			

Element Name: **Lithium** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Fluorine** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Sodium** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Chlorine** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Lithium** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Fluorine** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Sodium** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Chlorine** Symbol: _____
of Protons: _____ # of Electrons: _____
of Valence Electrons: _____
Will it gain or lose e-? _____
How many e- will it gain/lose? _____
Ion symbol: _____
Ion name: _____

Element Name: **Magnesium** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____

Element Name: **Oxygen** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____

Element Name: **Calcium** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____

Element Name: **Sulfur** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____

Element Name: **Aluminum** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____

Element Name: **Phosphorus** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____

Element Name: **Beryllium** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____

Element Name: **Nitrogen** Symbol: _____

of Protons: _____ # of Electrons: _____

of Valence Electrons: _____

Will it gain or lose e-? _____

How many e- will it gain/lose? _____

Ion symbol: _____

Ion name: _____