

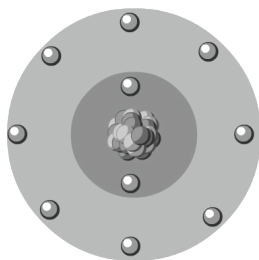
IONS

Concept: Cation & Anion Formation

Directions: Determine which atoms listed can form the ions shown below. Then, determine how many electrons are gained/lost and write the ion that is formed. Check your answers by using the Collisions Ions Sandbox.



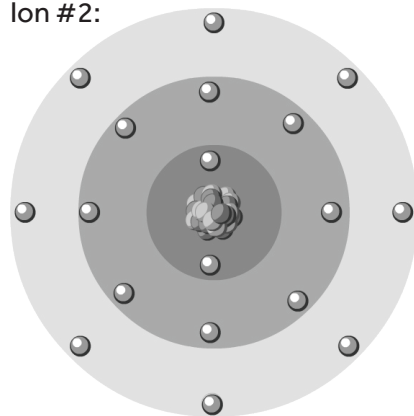
Ion #1:



Electron # = 10

Atom:		→	Gains / Loses		→	Ion formed:
	<input type="text"/>		___ Electrons			<input type="text"/> <input type="text"/>
Atom:		→	Gains / Loses		→	Ion formed:
	<input type="text"/>		___ Electrons			<input type="text"/> <input type="text"/>
Atom:		→	Gains / Loses		→	Ion formed:
	<input type="text"/>		___ Electrons			<input type="text"/> <input type="text"/>

Ion #2:



Electron # = 18

Atom:		→	Gains / Loses		→	Ion formed:
	<input type="text"/>		___ Electrons			<input type="text"/> <input type="text"/>
Atom:		→	Gains / Loses		→	Ion formed:
	<input type="text"/>		___ Electrons			<input type="text"/> <input type="text"/>
Atom:		→	Gains / Loses		→	Ion formed:
	<input type="text"/>		___ Electrons			<input type="text"/> <input type="text"/>