

Name: _____

Honors Chemistry

Section: _____

Pair Tutoring: Polyatomic Ions

Directions:

1. Review the terms and definitions for five minutes.
2. Ask someone to quiz you by giving the formula for each polyatomic ion. You will name the polyatomic that matches.
3. If your response is correct, put a check in the box next to that term. If your answer is incorrect, put a minus in the box, and the person quizzing you should explain why the answer is incorrect.
4. Repeat steps 1-3 with a new partner. This time, have your partner give you the name of the polyatomic ion, and you give the formula. Repeat this process until three checks in a row are completed for each item.
5. Use the shaded boxes to practice the spelling of each formula name in the same way.
6. Have each partner sign his or her name, with a compliment.

Formula	Responses	Polyatomic Ion Name
$C_2H_3O_2^-$	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Acetate
ClO_3^-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Chlorate
CN^-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Cyanide
OH^-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Hydroxide
NO_3^-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Nitrate
ClO_4^-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Perchlorate
MnO_4^-	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Permanganate
CO_3^{2-}	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Carbonate
CrO_4^{2-}	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Chromate
$Cr_2O_7^{2-}$	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dichromate
O_2^{2-}	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Peroxide
SO_4^{2-}	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Sulfate
PO_4^{3-}	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Phosphate
NH_4^+	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Ammonium
Hg_2^{2+}	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Dimercury(I)

Partner: _____ Compliment: _____

Partner: _____ Compliment: _____

Partner: _____ Compliment: _____