

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
$C_2H_3O_2^-$						Acetate
ClO_3^-						Chlorate
CN^-						Cyanide
OH^-						Hydroxide
NO_3^-						Nitrate
ClO_4^-						Perchlorate
MnO_4^-						Permanganate
CO_3^{2-}						Carbonate
CrO_4^{2-}						Chromate
$Cr_2O_7^{2-}$						Dichromate
O_2^{2-}						Peroxide
SO_4^{2-}						Sulfate
PO_4^{3-}						Phosphate
NH_4^+						Ammonium
Hg_2^{2+}						Dimercury(I)

Partner: _____ Compliment: _____

Partner: _____ Compliment: _____

Partner: _____ Compliment: _____