

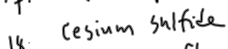
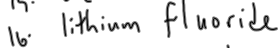
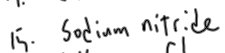
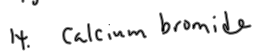
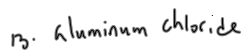
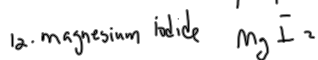
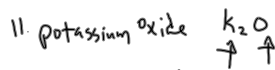
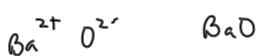
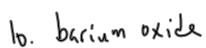
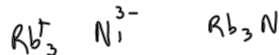
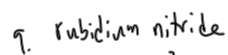
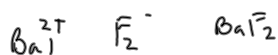
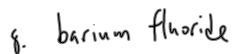
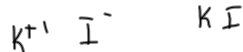
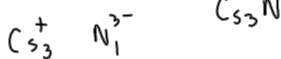
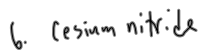
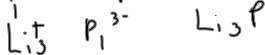
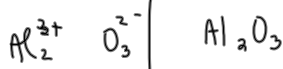
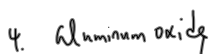
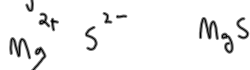
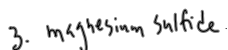
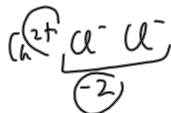
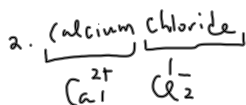
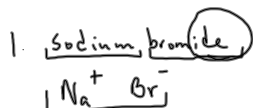
Wednesday, October 15/14  
Science 10

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1. Check -> Worksheet #2 - Simple Binary Ionic Compounds
  2. Polyatomic Ions
  3. P. Ion Cards
  4. Ionic Compounds Containing Polyatomic Ions - Continue Tomorrow
- 
5. Task - Worksheet #3
  6. Multivalent Metals
  7. Ionic Compounds Containing Multivalent Metals
  8. Task - Worksheet #4

# Worksheet 2.

ANSWERS



## Polyatomic Ions

Poly means "many". Polyatomic means "many atoms". Polyatomic ions contain two or more different atoms. The atoms stay together as a single, charged unit.

Handout - Polyatomic Ions

Endings to look for: "ate", "ite"

Note: hydroxide  $\text{OH}^-$   
cyanide  $\text{CN}^-$

**See your periodic tables for more examples.**

[http://www.studyputty.com/games/pieces/polyatomic\\_ion](http://www.studyputty.com/games/pieces/polyatomic_ion)



## Ionic Compounds Containing Polyatomic Ions

Like binary ionic compounds, ionic compounds containing polyatomic ions are electrically neutral.

When more than one polyatomic ion is required in an ionic compound, parentheses are used to enclose the ion with the subscript going outside the parentheses.

Write the correct name for:



aluminum phosphate



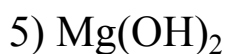
potassium nitrite



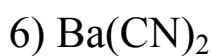
sodium [ bicarbonate  
hydrogen carbonate



calcium carbonate



magnesium hydroxide



barium cyanide



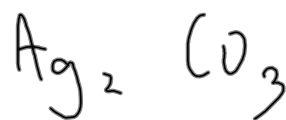
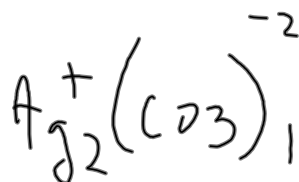
potassium sulfate



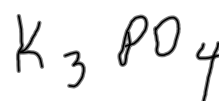
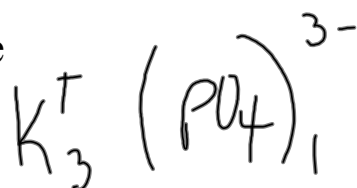
ammonium nitrate.

Write the correct formula for:

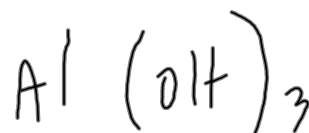
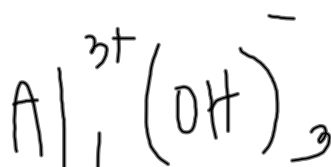
1) silver carbonate



2) potassium phosphate



3) aluminum hydroxide



4) sodium hydrogen carbonate



Continue Tomorrow

5) calcium acetate

6) potassium permanganate

7) calcium chlorite