

Name \_\_\_\_\_

Chemistry

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### Formula Writing & Physical Properties Lab

Observe and record at least two intensive physical properties of each compound (color, odor, crystals, powder, etc.) and then write the correct formula for the compound.

- aluminum sulfate
- ammonium bicarbonate
- barium hydroxide
- cupric oxide
- strontium nitrate
- calcium chloride
- copper(II) carbonate
- ferric chloride
- ferrous sulfate
- lead(II) iodide
- magnesium sulfate
- manganese(II) sulfate
- lithium nitrate
- cobalt(II) chloride
- nickelous sulfate
- silver nitrate
- copper(II) nitrate
- barium nitrate
- potassium permanganate
- potassium phosphate
- potassium dichromate
- calcium acetate
- potassium oxalate
- stannous chloride
- potassium bisulfate
- ammonium thiocyanate

## Formula Dice Game

1. Pick one anion die and one cation die.
2. Roll the dice and record the ions that come up.
3. Write the formula and name of the compound.
4. Do this until **15** different compounds are recorded. NO DUPLICATES!!!
5. Record your results below.

For example:

You roll a Ca<sup>2+</sup> & a Cl<sup>1-</sup>

Write the formula: CaCl<sub>2</sub>

Write its name: calcium chloride.

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