

Dry lab for the Empirical Formula Lab -- complete the work below, and write a brief explanation explaining what you do to find the information for each step.

1. Mass of empty evaporating dish

85.61

2. Mass of evaporating dish and magnesium

85.79

3. Mass of magnesium

Show WORK HERE:

4. Mass of evaporating dish and magnesium chloride

86.33

5. Mass of magnesium chloride.

Show WORK HERE:

6. Mass of chlorine in magnesium chloride

Show WORK HERE:

7. Moles of Magnesium _____

Show WORK HERE

8. Moles of Chlorine

Show WORK HERE

9. Moles of Mg divided by the smaller number of moles

Show WORK HERE

10. Moles of chlorine divided by the smaller number of moles

Show WORK HERE

11. Your experimental empirical formula of magnesium chloride (with whole number subscripts) Compare answers from blank 9 and blank 10

12. Based on charges, write the correct formula for magnesium chloride.
