Last Name, First Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Period: \_\_\_

**Warm-up 5.4 “%Composition Recap”**

To find percent composition, calculate the molar mass of the compound and then use the molar mass of each element to find the percent of each element present in the compound

Example: Find the percent composition (of each element) in CoF3.

Step 1: Find molar mass of compound Step 2: Find percent of each element in compound

% Co = = x 100 = %\*

Co: 58.93

F3: 3(18.99)

+\_\_\_\_\_\_\_ % F3 = = x 100 = %\*

g CoF3

1 mol CoF3 \*for calculations using data from periodic table, 3 signfinicant figures is

customary to report in an answer.

Step 3: Do your percents add to 100?

+ = \*\* \*\*Due to rounding, they might not be exactly 100 when added. This is close enough.

Find the % composition of 2Na2Al2(SO4)4