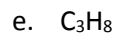
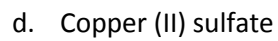
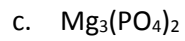
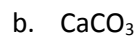
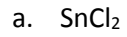


Percent Composition

Practice Sheet #19

1. Determine the percent compound for each element in the following compounds.



2. Penicillin was one of the first antibiotics used to treat bacterial diseases. It was discovered by accident by Alexander Fleming in 1928. The formula for penicillin is $C_{14}H_{20}N_2SO_4$. Determine the percent composition for each element.

3. Gypsum ($CaSO_4 \cdot 2H_2O$) is used in combination with limestone, sand, shale, and clay to make cement.

a. What is the chemical name for this hydrate?

b. Determine the percent composition for each element in gypsum.

c. Determine the percent composition of water in gypsum.