

Name: _____

Date: _____

Pd: _____

Molar Conversion Practice

Show all your work with units *and* substance!

- 1) How many grams are in 4.5 moles of sodium fluoride, NaF?

- 2) How many molecules are in 98.3 grams of aluminum hydroxide, Al(OH)₃?

- 3) How many grams are in 0.02 moles of beryllium iodide, BeI₂?

- 4) How many moles are in 68 grams of copper (II) hydroxide, Cu(OH)₂?

- 5) How many molecules are in 3.3 moles of potassium sulfide, K₂S?

- 6) How many moles are in 1.2×10^{23} molecules of ammonia, NH₃?

- 7) How many grams are in 2.3×10^{-4} moles of calcium phosphite, Ca₃(PO₃)₂?

- 8) How many liters of gas are in 3.4×10^{-7} grams of sulfur dioxide, SO₂?

- 9) How many grams are in 1.11 moles of manganese sulfate, Mn₃(SO₄)₇?