

A Problem Set

Perform the following conversions

1. 30 grams of magnesium acetate to moles (.2 moles)
2. 50 grams of ferric sulfate to formula units (8×10^{22} fu)
3. 18.0×10^{35} molecules of diarsenic trioxide to moles (2.99×10^{12} mole)
4. 5×10^{26} formula units of plumbic nitride to grams (600000 grams)
5. 50 moles of phosphoric acid to grams (4900 g)
6. 2.4×10^{24} formula units of bismuth (V) phosphide to grams (3100 g)
7. 12.4×10^{35} molecules of sodium phosphate to grams (3.38×10^{14} g)
8. 2 molecules of water to grams (6×10^{-23} g)
9. 30 moles of stannic phosphate to **atoms** (4.15×10^{26} atoms)

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