

A Problem Set

Perform the following conversions

1. 30 grams of magnesium acetate to moles
2. 50 grams of ferric sulfate to formula units
3. 18.0×10^{35} molecules of diarsenic trioxide to moles
4. 5×10^{26} formula units of plumbic nitride to grams
5. 50 moles of phosphoric acid to grams
6. 2.4×10^{24} formula units of bismuth (V) phosphide to grams
7. 12.4×10^{35} molecules of sodium phosphate to grams
8. 2 molecules of water to grams
9. 30 moles of stannic phosphate to **atoms**