

Mixture of Moles/Mass/Volume/Representative Particles WS

Instructions: Read the following problems and complete the correct calculations. SHOW ALL WORK. Round to the nearest thousandths place.

1. How many moles are in 6.47 L of N_2O at STP?
2. How many atoms are in 1.221 mole Li_3P ?
3. How many grams are in 15.4 moles of CuSO_4 ?
4. How many molecules are in 0.874 moles of BrF_5 ?
5. How many liters are in 2.47 moles of neon gas at STP?
6. How many moles are in 922.0 grams of As_2O_5 ?
7. How many oxygen atoms are in 12.74 mol $\text{Ba}(\text{NO}_3)_2$?
8. How many moles are in 8.57×10^{26} formula units of NaBr ?