

Name: _____

Date: _____

1. The mass in grams of 1.00 mole of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ is

- A. 172 g B. 154 g C. 136 g D. 118 g

2. What is the total number of moles contained in 115 grams of $\text{C}_2\text{H}_5\text{OH}$?

- A. 1.00 B. 1.50 C. 3.00 D. 2.50

3. The total number of sodium atoms in 46.0 grams of sodium is

- A. 3.01×10^{23} B. 6.02×10^{23}
C. 12.0×10^{23} D. 24.0×10^{23}

4. Which sample of O_2 contains a total of 3.01×10^{23} molecules at STP?

- A. 1.00 moles B. 2.00 moles
C. 16.0 grams D. 32.0 grams

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1.
Answer: A
2.
Answer: D
3.
Answer: C
4.
Answer: C