

Work each of the following problems. SHOW ALL WORK.

7. Convert 3.1 moles of water to grams of water.

8. What is the mass in grams of 4.6×10^{21} molecules of carbon tetrabromide?

9. 3.2×10^{23} formula units NaCl = _____ grams NaCl

10. How many moles of silver is equal to 0.31 grams of silver?

11. The mass of 2.60 moles of SO_2 is _____.

BONUS: How many atoms of oxygen are contained in 12.3 kilograms of carbon dioxide?