

Name:

Date:

Work each of the following problems. SHOW ALL WORK.

- 1. How many grams are contained in 0.54 moles of calcium?
- 2. Convert 2.54 moles magnesium carbonate to formula units.

3. What is the mass of 3.1 x 10²⁰ molecules of carbon monoxide?

4. How many formula units are contained in 0.67 g CaO?

5. The number of nitrogen molecules in 1.2 moles of N₂ is _____

6. 1.23 x 10²⁸ formula units of $AI_2O_3 =$ ______ grams AI_2O_3 ?

questions continued on next page LocaL Unit 7B Practice Problems 5 - Molar Mass Copyright © 2017 Georgia Public Broadcasting. All rights reserved. Use or distribution by an unintended recipient is prohibited.



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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 x 10²¹ molecules of carbon tetrabromide?

9. 3.2 x 10²³ 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?