

Chemistry
Mole Conversions – 1-step

Name _____
Date _____ **Block** _____

1. How many moles are in 25 grams of water?
2. How many grams are in 4.5 moles of lithium oxide?
3. How many molecules are in 23 moles of oxygen?
4. How many moles are in 3.4×10^{23} molecules of H_2SO_4 ?
5. How many moles are in 25 grams of nitrogen trihydride?
6. What is the mass in grams of carbon in 5.0 moles of carbon?
7. What is the mass of 4.00 moles of mercury?
8. How many moles of iron are in 280 g of iron?
9. How many moles of aluminum chloride are in 355 grams of aluminum chloride?
10. A reaction requires 0.054 moles of ammonium chloride to react. What mass (in grams) of ammonium chloride do you need to add to the reaction?