

Name _____

Mole gram conversions
Honors Chemistry

1. How many moles are in 32 g of helium?

2. How many moles are in 64 g of gold?

3. How many moles are in 94 g of potassium?

4. How many grams are in 3.21 moles of carbon?

5. How many grams are in 0.71 moles of lead?

6. How many grams are in 5.3 moles of lithium?

7. How many atoms are in 4.7 moles of silicon?

8. How many atoms are in 3.5 moles of titanium?

9. How many atoms are in 6.2 moles of neon?

10. How many grams are in 3.22×10^{22} atoms of zinc?

11. How many grams are in 1.83×10^{22} atoms of mercury?

12. How many grams are in 3.23×10^{22} atoms of chlorine?

13. How many grams are in 1.45×10^{25} mol of Hydrogen

14. How many grams are in 5.23×10^{22} atoms of xenon?

15. Write the condensed electron configuration for Copper

16. Write the condensed electron configuration for Tin.

17. Write the condensed electron configuration for Tungsten

18. Show the electrons in the last shell only of the orbital diagram for Chromium.

19. Show the electrons in the last shell only of the orbital diagram for Arsenic

20. Show the electrons in the last shell only of the orbital diagram for Cesium.