



6. Calculate the molar mass of each of the following formulas.

a. HCl

b. SiH<sub>4</sub>

c. C<sub>3</sub>H<sub>6</sub>O<sub>2</sub>

d. N(CH<sub>3</sub>)<sub>3</sub>

7. How many grams are in 3.4 moles of HCl?

8. How many moles are in 8.5 grams of SiH<sub>4</sub>?

9. How many molecules (not moles) are in 144 grams of C<sub>3</sub>H<sub>6</sub>O<sub>2</sub>?

10. How many moles are in a 0.450 gram sample of N(CH<sub>3</sub>)<sub>3</sub>