

You need to answer the following questions:

How many molecules are in a glass of water?

How many **atoms** are in a glass of water?

How many atoms are in a piece of tin?

How many molecules are in a spoonful of baking soda (sodium bicarbonate)?

How many **atoms of each element** are in a spoonful of baking soda?

How many molecules are in a spoonful of sand (silicon dioxide)?

How many atoms are in a pre-1982 penny (5% zinc/95% copper)?

How many atoms are in a post-1982 penny (97.5% zinc/2.5% copper)?

How many atoms are in a nickel (75% copper/25% nickel)?

How many atoms are in a piece of aluminum foil?

What are the dimensions (all three sides) of the aluminum foil?

How many atoms thick is the aluminum foil?