

### The MOLE

Substance	Formula	Representative Particle (atoms, f.u., molecules)	Mass of one Mole	Number of Representative Particles in One Mole
Copper				
Water				
Rust Iron (III) oxide				
Iron(III) carbonate				
Glucose	$C_6H_{12}O_6$			
Sucrose	$C_{12}H_{22}O_{11}$			
Sodium Hydroxide				
Sulfur trioxide				
Acetic Acid (hydrogen acetate)				
Sodium Hypochlorite				
Propane	$C_3H_8$			
Ammonia	$NH_3$			
Methane	$CH_4$			
Carbon dioxide				
Carbon				
Mercury (II) phosphate				
Root Killer for Drains (Copper(II) Sulfate)				
Baking Soda (Sodium Hydrogen Carbonate)				