It is vital as a chemistry student that you know the formulas of common substances. Here is a list of substances whose formulas you should know at all times.

Elements				Compou	Compounds	
Al	aluminium	Mg	magnesium	NH ₃	ammonia	
Ar	argon	Hg	mercury	CaCO ₃	calcium carbonate	
Br_2	bromine	Mg	magnesium	СО	carbon monoxide	
Ca	calcium	Ne	neon	CO ₂	carbon dioxide	
С	carbon	Ni	nickel	CuSO ₄	copper sulfate	
Cl_2	chlorine	N_2	nitrogen	HCl	hydrochloric acid	
Cr	chromium	O ₂	oxygen	CH₄	methane	
Co	cobalt	P_4	phosphorus	HNO₃	nitric acid	
Cu	copper	Pt	platinum	NO	nitrogen monoxide	
F_2	fluorine	K	potassium	NO ₂	nitrogen dioxide	
Au	gold	Si	silicon	NaCl	sodium chloride	
He	helium	Ag	silver	NaOH	sodium hydroxide	
H_2	hydrogen	Na	sodium	SO ₂	sulfur dioxide	
I_2	iodine	S ₈	sulfur	H₂SO₄	sulfuric acid	
Fe	iron	Sn	tin	H₂O	water	
Pb	lead	Ti	titanium			
Li	lithium	Zn	zinc			