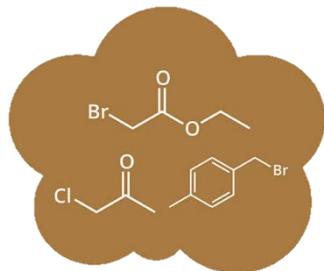




Chemical Agent Word Bank: VX / Tear Gases / Chlorine / Phosgene & Diphosgene / Mustard Gas / Tabun / Sarin / Soman / Cyclosarin / VG

Instructions: Identify the chemical agent by common name which can be found in the word bank above. You may use the timeline depicting the agents' first synthesized date or first use date on this side as well as the agents' descriptions on the backside to assist you. ANSWER KEY <http://bit.ly/ChemAgents>

1914



Tear Gases

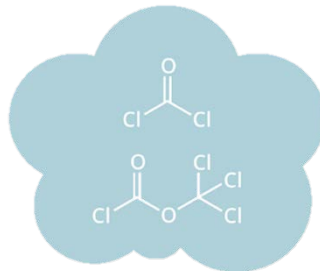
(ethyl bromoacetate, chloroacetone & xylol bromide)

1915



Chlorine

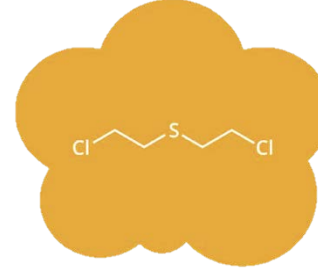
1915



Phosgene & Diphosgene

(carbonyl dichloride & trichloromethane chloroformate)

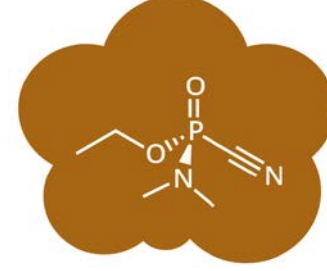
1917



Mustard Gas

(bis(2-chloroethyl) sulfide)

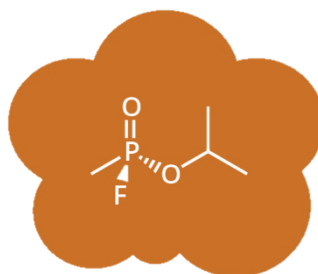
1936



Tabun

(ethyl dimethylphosphoramidocyanidate)

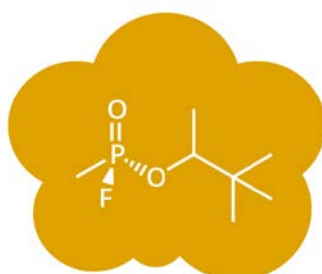
1938



Sarin

(isopropyl methylphosphonofluoridate)

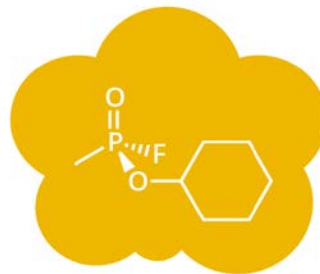
1944



Soman

(3,3-dimethylbutan-2-yl methylphosphonofluoridate)

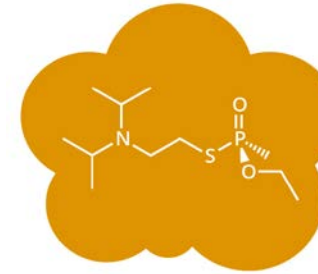
1949



Cyclosarin

(cyclohexyl methylphosphonofluoridate)

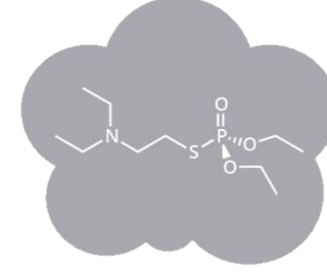
1952



VX

(O-Ethyl-S-[2-(diisopropylamino)ethyl] methylphosphonothioate)

1954



VG

O,O-Diethyl-S-[2-(diethylamino)ethyl] phosphorothioate