

13. Identify the **weakest** acid in the following series.

	Name	Formula	K_a (25 °C)
(a)	acetic acid	CH_3COOH	1.8×10^{-5}
(b)	chloroacetic acid	ClCH_2COOH	1.3×10^{-3}
(c)	dichloroacetic acid	Cl_2CHCOOH	4.5×10^{-2}
(d)	trichloroacetic acid	CCl_3COOH	2.2×10^{-1}