

18. A chemist prepares solutions of nitrous acid and hydrocyanic acid that have the same concentration.

The K_a values of these acids are:

- nitrous acid (HNO_2) is 4.6×10^{-4}
- hydrocyanic acid (HCN) is 6.17×10^{-10} .

Which of these two acids is the stronger and which has the higher pH?

	Stronger acid	Higher pH
(a)	nitrous acid	nitrous acid
(b)	nitrous acid	hydrocyanic acid
(c)	hydrocyanic acid	hydrocyanic acid
(d)	hydrocyanic acid	nitrous acid