

Question #73619, Chemistry / Physical Chemistry / Completed

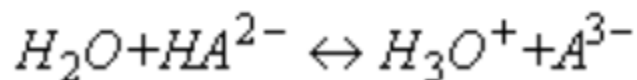
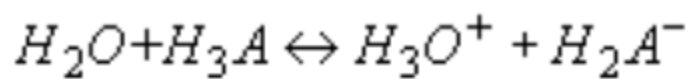
WHAT ARE POLYPROTIC ACIDES? EXPLAIN WITH THE HELP OF AN EXAMPLE

Answer:

Diprotic acids: H_2SO_4 , H_2CO_3

Triprotic acids: H_3PO_4 , H_3PO_3 and so on.

The name "polyprotic" literally means many protons. Therefore, we are observing some specific acids which lose *more than one* proton. Consider a generic triprotic acid H_3A . In aqueous solution, this acid will be distributed in four different species; the acid and the three conjugate bases.



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