

"TRY YOURSELF" PROBLEMS FROM STUDY SECTION 8.3

Try Yourself 8.3 a

Calculate the pH of the following solutions:

1. 0.0295 M HNO_3 (Strong acid)
2. 0.040 M NaOH (Strong Base)

Try Yourself 8.3 b

An aqueous solution has a pH of 3.75. What is the hydronium ion and hydroxide ion concentrations of the solution?

Try Yourself 8.3 c

An aqueous solution has a pH of 9.65. What is the hydronium ion and hydroxide ion concentrations of the solution?