H <sub>2</sub> CO <sub>3</sub> $\longrightarrow$ HCO <sub>3</sub> <sup>-</sup> + H <sup>+</sup> pK <sub>a</sub> = 6.1 What is the ratio HCO <sub>3</sub> <sup>-</sup> : H <sub>2</sub> CO <sub>3</sub> at the normal plasma pH of 7.4?	ks
What is the ratio HCO3 <sup>-</sup> : H2CO3 at the normal plasma pH of 7.4?   Answer:   A typical person has 2 L of blood plasma. If such a person were to drink 1 L of soft drink with a pH of 2.5, what would the plasma pH ba if it ware not huffered?	
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(Assume all of the $H^+$ from the soft drink is absorbed by the plasma, but the volume of plasma does not increase.)	
Answer:	
What is the pH in this typical person with a normal $HCO_3^-$ concentration of 0.020 M? Ignore any other contributions to the buffering.	
Answer:	