CHEM1002 2010-N-4 November 2010

• Hydrochloric acid in a healthy human stomach leads to a pH in the range 1-2. What is the concentration of hydrochloric acid in the stomach?		Mark 8
	Angyyan	_
The stomach also contains considerable of hydrochloric acid, in the form of disso	Answer: amounts of chloride ions, the conjugate base olved KCl and NaCl. Is this solution a	
buffer? Explain your answer.	1700 IVOI und 17001. 15 uns solution u	
		-
Milk of magnesia is often taken to reduce the discomfort of acid stomach. A teaspoon of milk of magnesia, containing 0.400 g of Mg(OH) ₂ , is added to a 0.300 L stomach solution with a pH of 1.3. What is the final pH of the solution?		
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	Answer:	