han HBr.		 	

CHEM1102 2009-J-3 22/06(a)

•	• BF <sub>3</sub> is a Lewis acid in its reaction with diethyl ether. Explain what is meant by a Lewis acid and draw the product of this reaction.	Marks 2

CHEM1102 2008-J-3 June 2008 22/06(a)

•	BF <sub>3</sub> is a Lewis acid in its reaction with diethyl ether. Explain what is meant by a Lewis acid and draw the product of this reaction.	Marks 2

CHEM1102 2007-N-2 November 2007	22/08(a
Often pH is used to characterise acidic solutions. Give a brief definition of pH.	Marks 5
Describe the difference between a strong acid and a weak acid.	
In general, can pH be used to define the strength of an acid? Explain your answer.	_

THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.

4

•	Describe the difference between a strong and a weak acid.
	Describe in qualitative terms how the percentage ionisation of a weak acid changes when an aqueous solution thereof is diluted.
	Which chemical principle can be used to explain the change in percentage ionisation of a weak acid on dilution and how?