5.a) geg: V1: 1ml= 0,001l

 V2: 1l

 pH-Wert= 1

 pH= -log(10-1/1000)

 pH=4

 b) geg: pOH= 10-2

 pOH= -log(10-12/100) = 4

 pH= 14-pOH

 pH= 14-4

 pH= 10