

| Questions: | Notes: |
| :---: | :---: |
| Calculating pOH | Equation: |
| from [OH ${ }^{-1}$ |  |
| Concentration |  |
| Relationship | Equation: |
| between pH and |  |
| pOH | Using [ $\mathrm{OH}^{-}$] to Calculate pOH and pH |
|  | An ordinary household ammonia cleaner is an aqueous solution of ammonia gas with |
|  | hydroxide ion concentration of $4.0 \times 10^{-3} \mathrm{M}$. Calculate the pOH and pH of a typical cleaner |
|  | a at 298 K . |
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| Calculating ion | Equations: |
| concentrations |  |
| from pH and pOH | Calculating [ $\mathrm{H}^{+}$] and [ $\mathrm{OH}^{-}$] from pH |
|  | What are $\left[\mathrm{H}^{+}\right]$and $\left[\mathrm{OH}^{-}\right]$in a healthy person's blood that has a pH of 7.40? |
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| Summary: |  |
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