

STUDENT'S NAME	
CLASS	
DATE	
SUBJECT	
TOTAL MARKS OBTAINED	

APPLICATIONS OF BUFFERS

- 1) Maintenance of life - Body uses buffer solution to maintain constant pH.
eg:- carbonate / bicarbonate buffer in body that keeps pH close to 7.4.
- 2) Biochemical assay - Enzyme activity depends on pH, so pH during enzyme assay must be constant.
- 3) In shampoos - Shampoos use citric acid / sodium citrate to maintain slightly acidic pH so as to counteract basicity of the detergents in shampoo.
- 4) In brewing industry - buffers are added before fermentatⁿ.
- 5) In textile industry - Many dyeing processes use buffers to maintain pH.
- 6) In baby lotions - Baby lotions are buffered to pH 6.