

Bloodstream

Urea + H₂O

Epithelial cells

Mucus lining of stomach

Neutralized buffer zone

HCO₃⁻

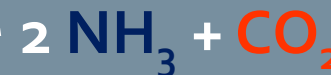
NH₄⁺

urease

H. pylori

NH₄⁺

Ammonium and bicarbonate are formed, neutralizing the acidic environment



HCO₃⁻

H⁺

H⁺

H⁺

H⁺

H⁺

H⁺

H⁺