

Why is the higher percentage of carbon dioxide transported by water of RBCs as compared to water of plasma? Also give the equations of this process?

**Answer:**

Carbon dioxide has the ability to attach to hemoglobin molecules. That is why its higher percentage is transported by water of RBCs as compared to water of plasma. General description of this process is given on the figure 1:

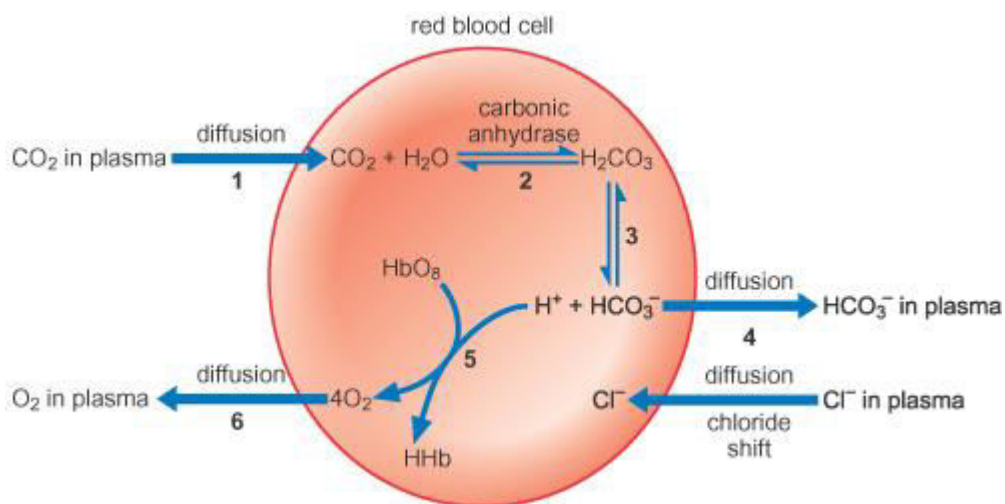


Figure 1 – RBC participation in the gas exchange<sup>1</sup>

Answer provided by [www.AssignmentExpert.com](http://www.AssignmentExpert.com)

<sup>1</sup> Chemistry for biologists at: <http://www.rsc.org/Education/Teachers/Resources/cfb/transport.htm>