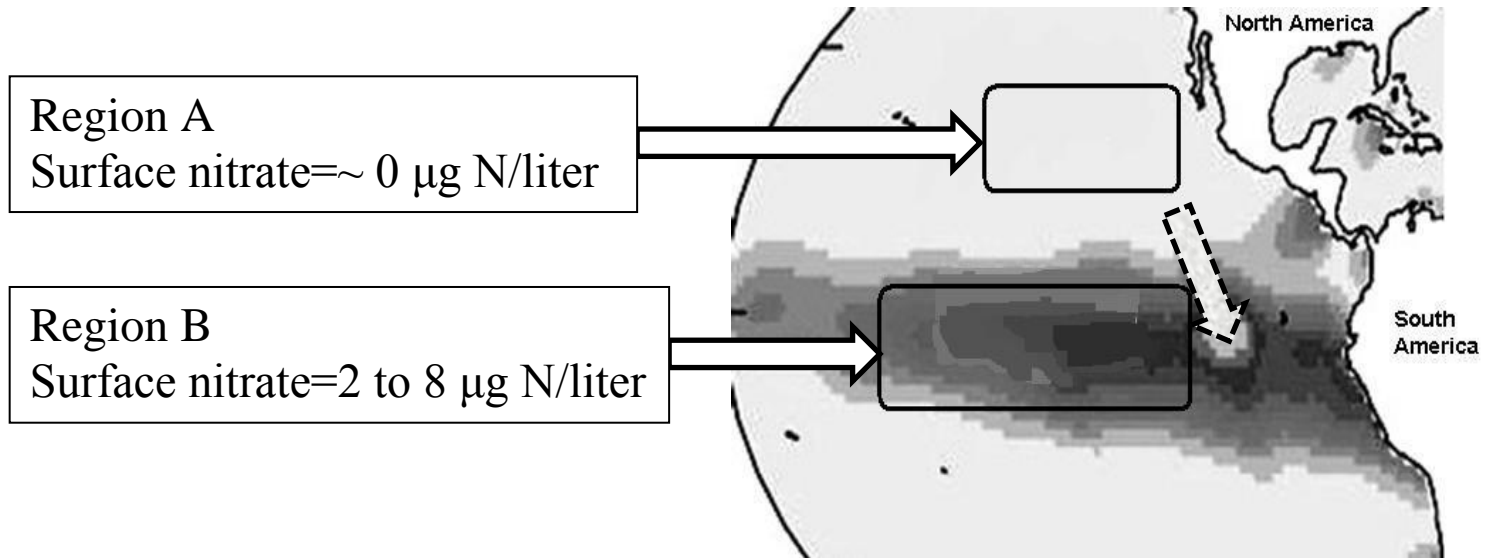


Round: 8B

The figure below shows the average concentrations of nitrate, a major limiting nutrient for phytoplankton, in surface waters of two regions of the world ocean: Region A and Region B. Darker color indicates higher surface nitrate concentration.



1. Name the two regions (A and B) shown on the map. (4 pts)

A:

B:

2. Why are surface nitrate concentrations lower in Region A? (4 pts)

3. Why are surface nitrate concentrations higher in Region B? (6 pts)

4. The dashed arrow points to the Galapagos Islands. Why are surface nitrate concentrations lower in this area? (6 pts)