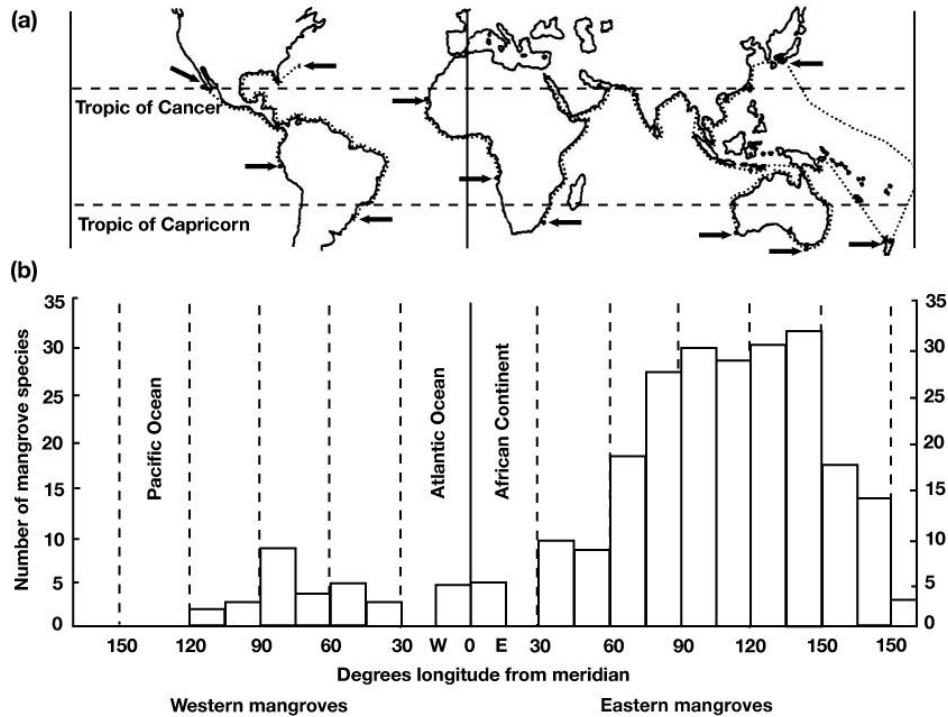


Round: 13A



The figure above is a histogram depicting the global distribution of mangroves and the approximate number of mangrove species per 15 degrees of longitude.

- a. According to the histogram, which group of mangroves has the highest abundance of species? (1 pt)
b. Where is this group found? (2 pts)
c. Explain the evolutionary process which gave rise to this degree of diversity. (6 pts)
2. In what type of marine environment are mangroves often found? (1 pt)
3. Mangroves are members of terrestrial plant families that have adapted to harsh environmental conditions. Identify four (4) challenges mangroves face. (4 pts)
4. Mangroves have adopted three main strategies to maintain water balance in saline environments. List these three (3) strategies, and explain what they are. (6 pts)