



## World Traveling Whales Answer Guide

1. Most populations of humpback whales are “**Not at Risk**” according to the provided map. 10 out of 14 distinct populations are not at risk, meaning their population levels are stable. Thanks to the ban of whaling, the Marine Mammal Protection Act (1972), and the Environmental Species Act (1973) humpback whales have made a remarkable recovery.
2. True or False:
  - A. **True!** Humpback whales live in waters all over the world. The map shows their range in light blue—and it covers the globe!
  - B. **False!** Humpback whales are migratory animals, they travel thousands of miles. The dotted line on the map shows “habitat linkages” or areas where specific populations migrate to and from.
3. When humpback whales are in northern, nutrient waters they are **feeding!** Humpback whales will take advantage of all the food available in northern waters to gain weight and blubber in preparation for their southern migration. When they are in their southern ranges they are breeding and there is much less food to be found.



4. This answer will be different for everyone! If a whale doesn't fit in your home, try and find something else comparable—maybe a classroom, parking lot, or a friend's home!
5. Humpback whales consume 400,000 calories a day, so if we divide that by the calories in an apple (100), we will get the number of total apples you would need to consume in order to complete a humpback whale migration:  $400,000\text{cal}/100\text{cal} = 4,000$  apples
6. This answer will be different for everyone! Maybe you noticed the way they move from high to low pitched noises or the haunting and beautiful sound of their songs.