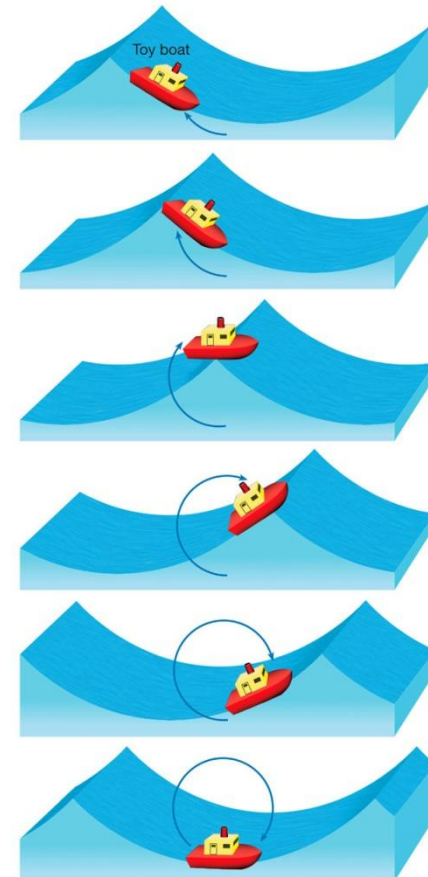


Copyright © 2006 Pearson Prentice Hall, Inc.

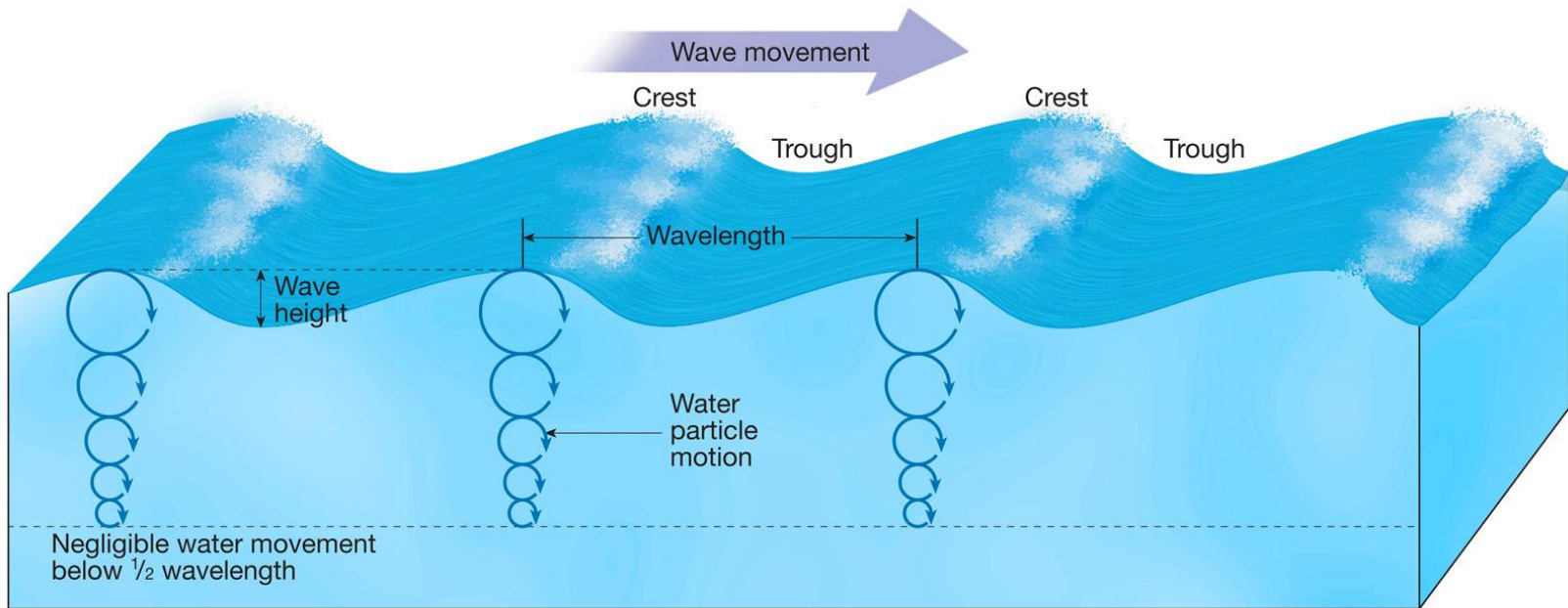
Parts of the coastal zone

How waves move

- Boat moves in a circle
– does not move forward
- Shape of wave crest appears to advance, but water moves with boat

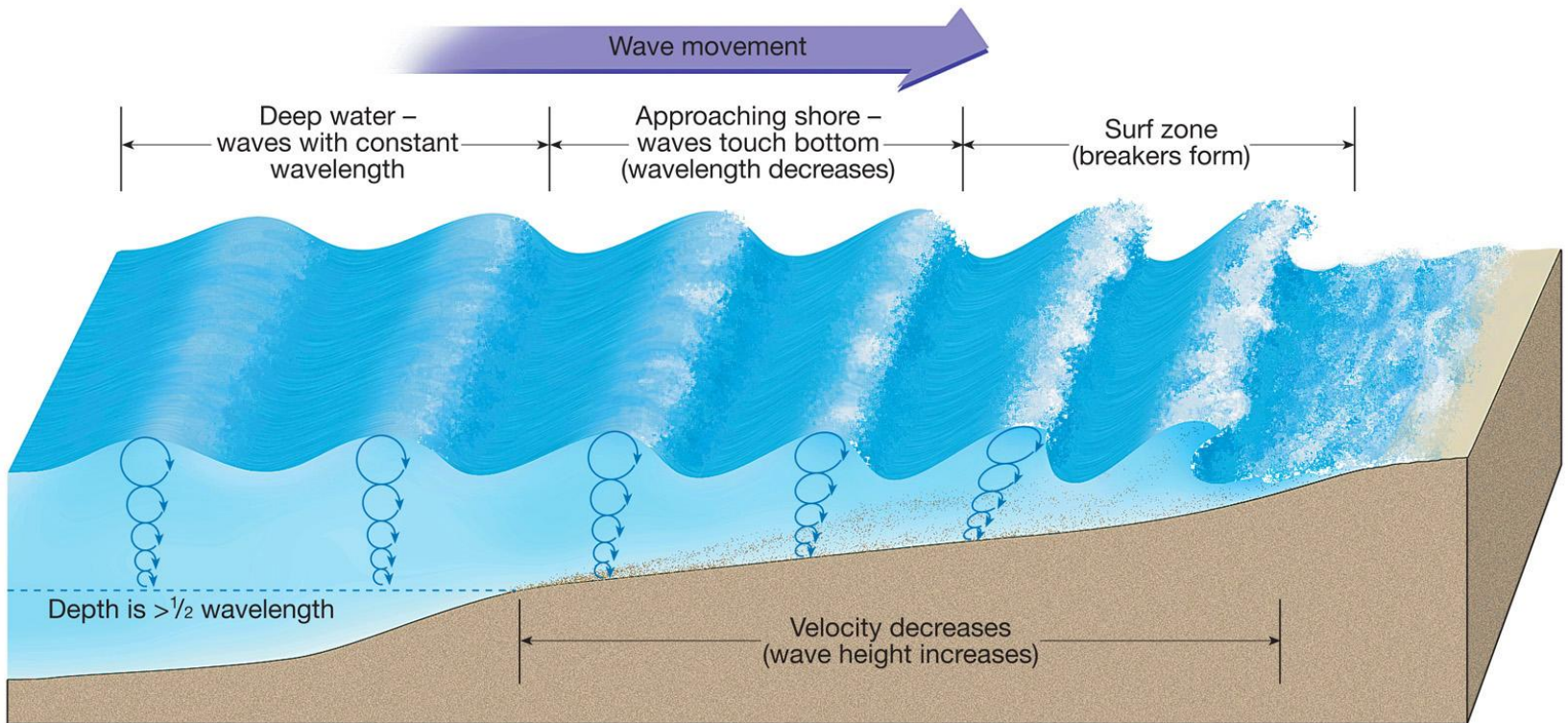


Wave motion – surface and depth



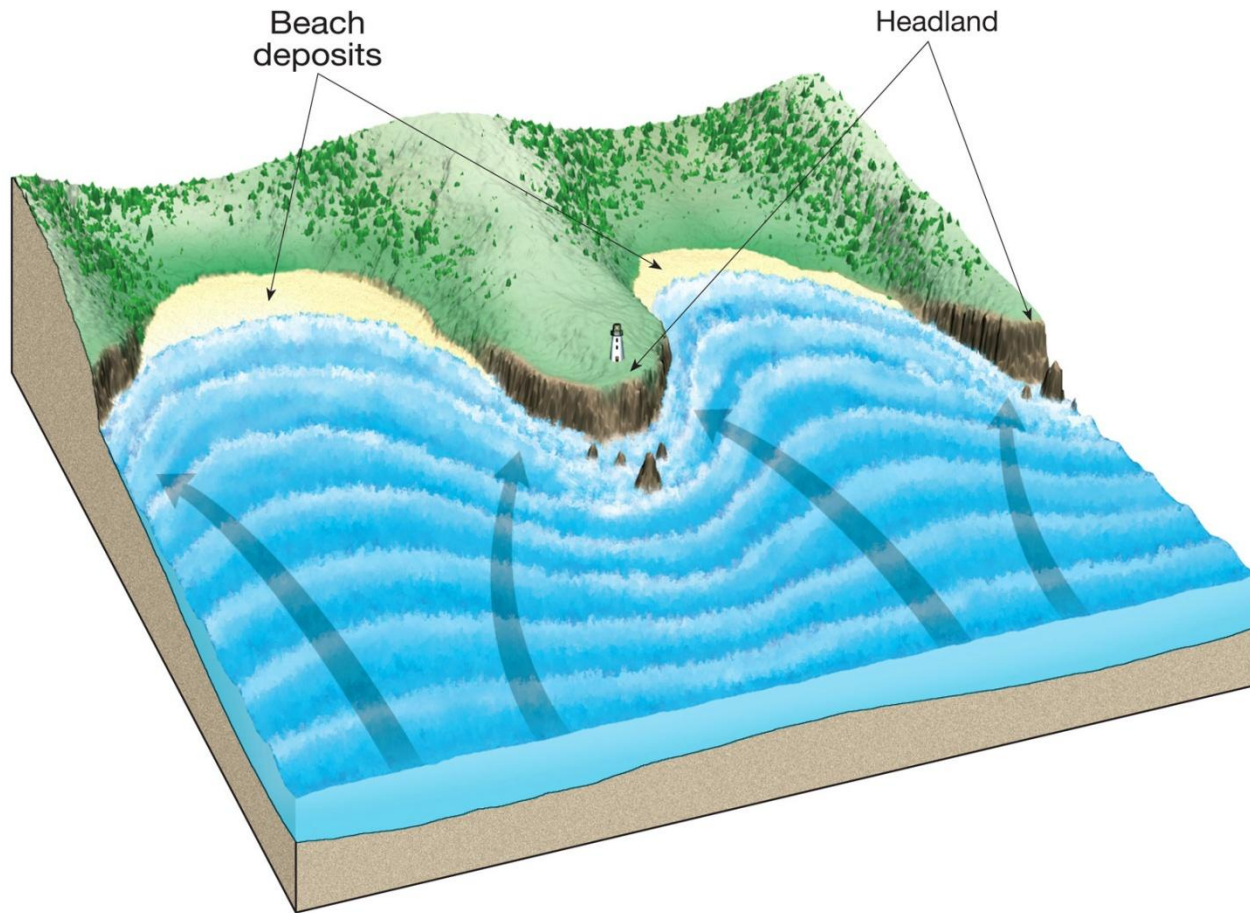
Copyright © 2006 Pearson Prentice Hall, Inc.

Waves approaching shore

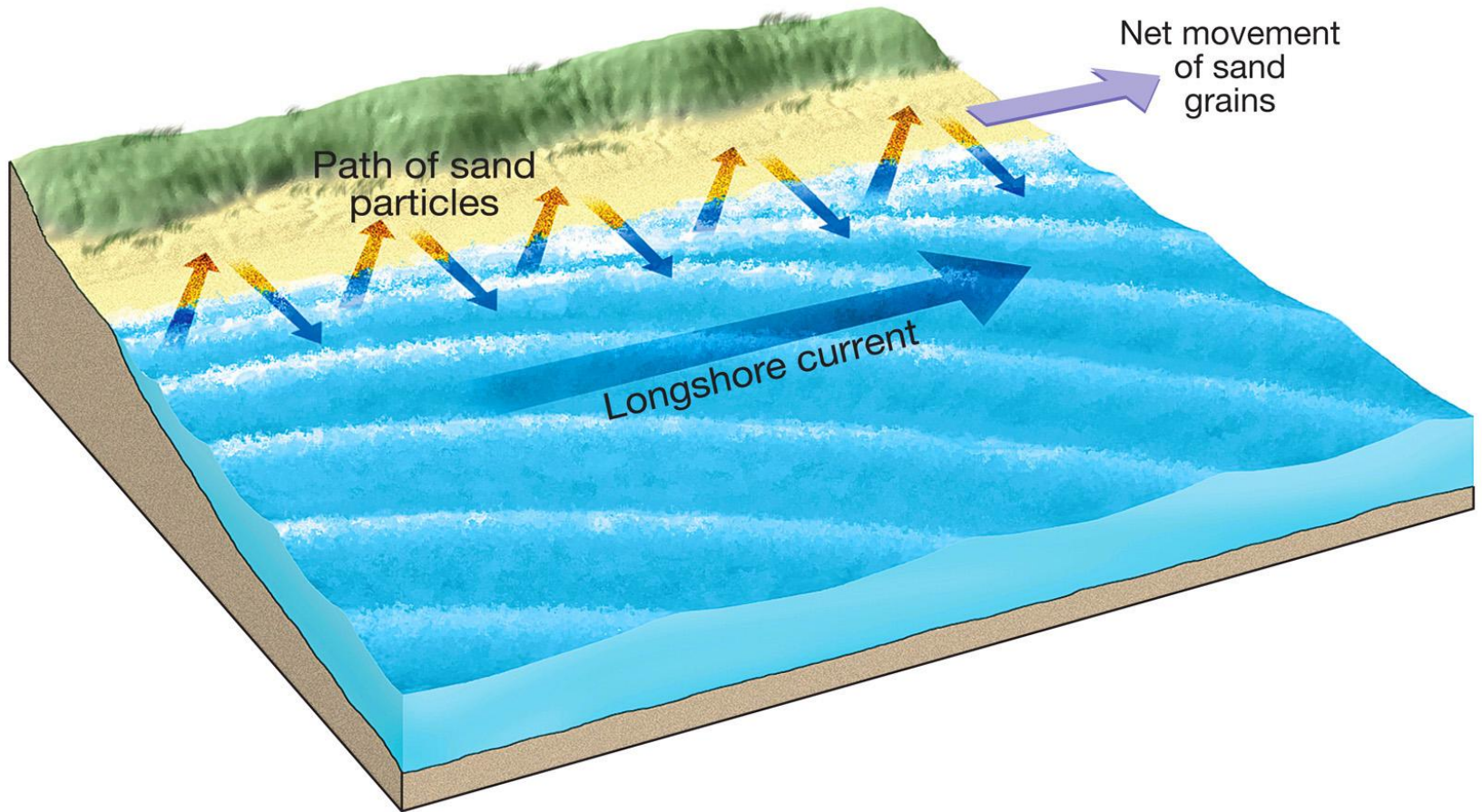


Copyright © 2006 Pearson Prentice Hall, Inc.

Wave refraction

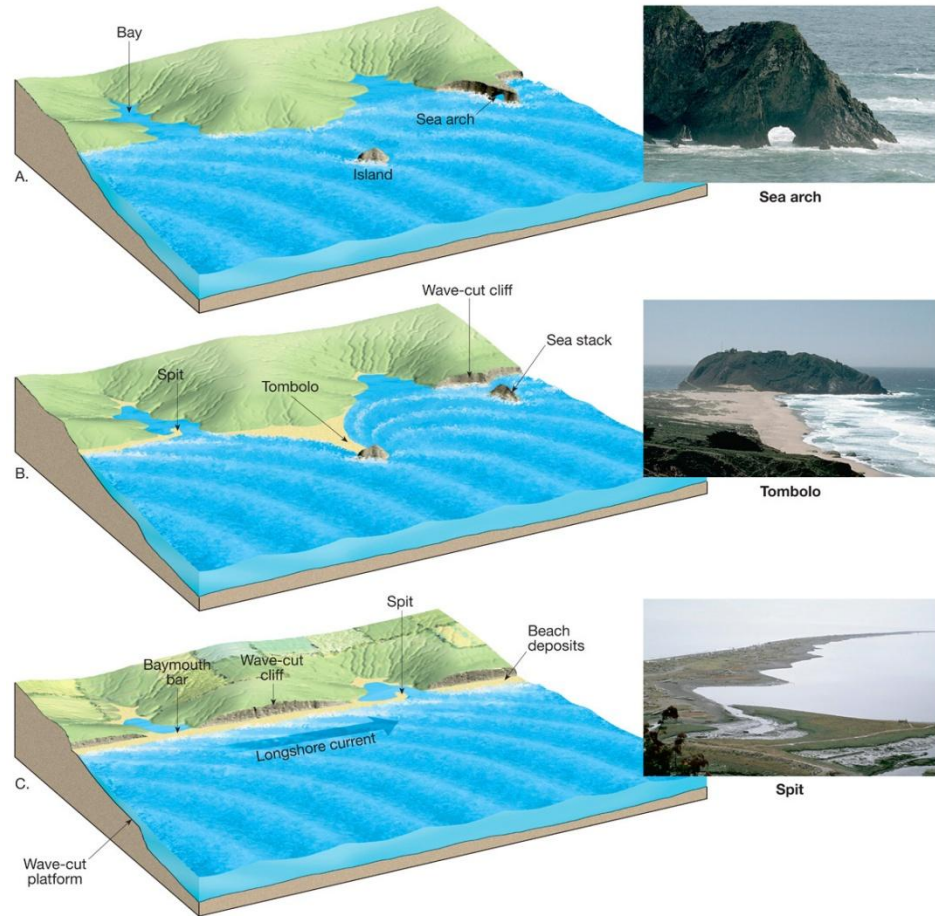


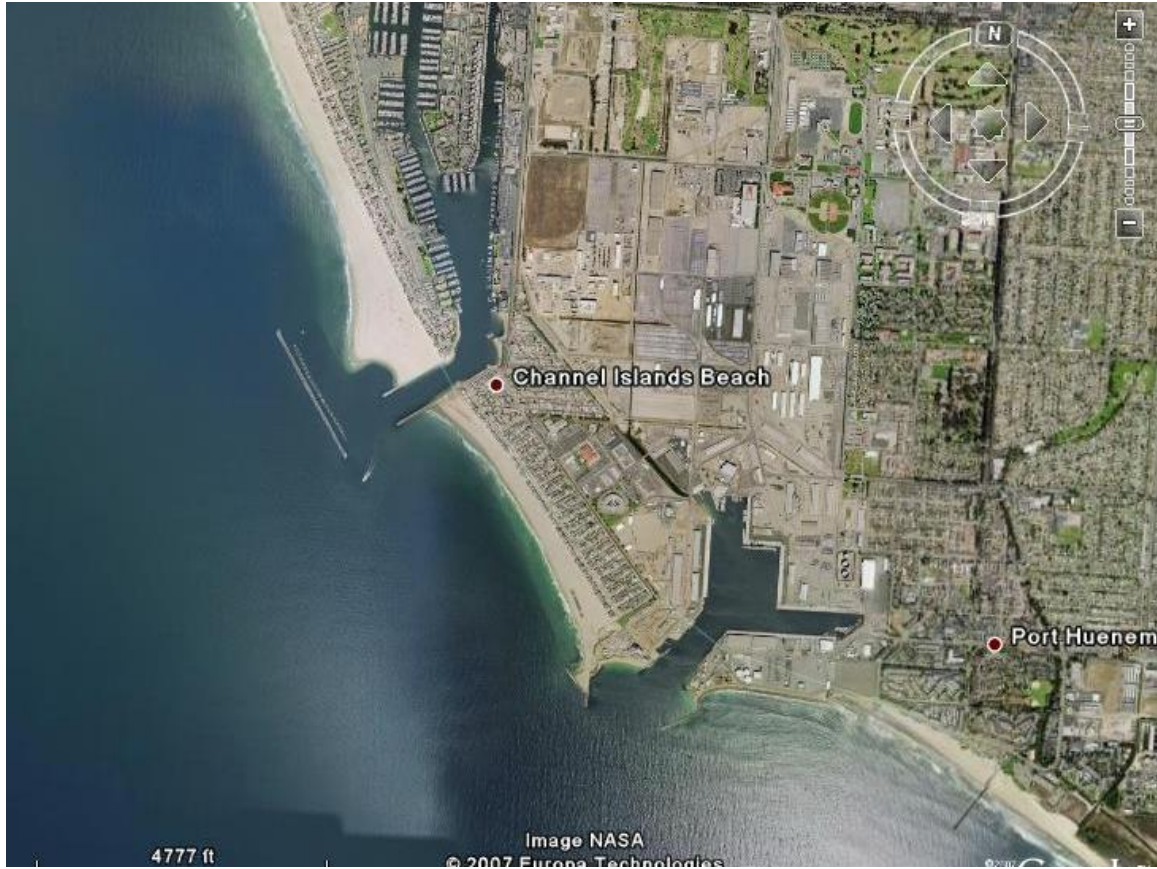
Longshore drift



Erosion of an irregular coastline

- Wave refraction concentrates waves on headlands





What's going on here?