Stabilizing the Shore

Copyright © 2005 Pearson Prentice Hall, Inc.

Copyright © 2005 Pearson Prentice Hall, Inc.

Copyright © 2005 Pearson Prentice Hall, Inc.

Copyright © 2005 Pearson Prentice Hall, Inc.
Three basic responses to erosion problems

1. Beach nourishment
   The addition of large quantities of sand to the beach system
   Only an economically viable long-range solution in a few areas
   Abandonment and relocation of buildings away from the beach

---

Beach Nourishment

---

Daily changes in the elevation of the ocean surface

Causes of tides

Tidal bulges are caused by the gravitational forces of the Moon, and to a lesser extent the Sun