

## Chapter 22 Physical Distribution

### Section 22.1 Transportation

#### Review Key Concepts

1. Transportation is related to customer service because choosing the right mode of transportation can make a product more affordable for a customer or can make the product more desirable (for example, if it arrives faster or on time.)
2. Common carriers provide truck transportation services to any business in their operating area for a fee. Contract carriers are for-hire trucking companies that provide equipment and drivers for specific routes, according to agreements between the carrier and the shipper. Private carriers transport goods for an individual business.
3. Intermodal transportation such as piggyback or fishyback services combine the advantages of truck transportation with the lower costs of rail and marine transportation.

#### Practice Academics

##### English Language Arts

4. The students must identify one system, its related security regulations, and explain how these measures are implemented. They should also explain how the regulations allow for the free movement of people and commerce. For example, for rail traffic, the TSA has extensive requires for moving hazardous materials. The TSA's Surface Transportation Security Inspection Program (STSI) has over 100 inspectors assigned to 18 field offices across the country. The TSA's Visible Intermodal Protection Response (VIPR) teams can quickly raise the security level anywhere in the country, if necessary. Canine teams engage in the detection of explosives.

##### Mathematics

5. \$134,960 ( $964,000 \times 0.14$ ), \$829,040 ( $964,000 - 134,960$ )