Testosterone is synthesized in the testes and secreted into the bloodstream; it affects target cells throughout the body by diffusing across plasma membranes, entering their nuclei, and interacting with DNA. What is testosterone?

A a nonsteroid hormone  
B a second messenger  
C a steroid hormone  
D a pheromone

Testosterone is a steroid hormone. Like all steroid hormones, it is derived from the steroid cholesterol. Steroid hormones are lipid-soluble and enter cells by diffusing across plasma membranes.

Answer C.