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.

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