

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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