-Endocrine Communication:

Endocrine system: a communication system using hormones as signaling molecules

Hormones: molecules that are released by endocrine glands directly into the blood

Target cells: cells that possess a specific receptor on their plasma membrane which is complementary to the shape of a hormone molecule

Types of hormones:

- Proteins and peptide hormones (adrenaline, insulin and glucagon)
- Steroid hormones (oestrogen and testosterogen) uk

Proteins are not soluble in the prospholipid bilayer therefore do not enter the cell. Pretteid need to birn to the cell surface membrane and elease a second messenger.

However steroid hormones can pass through the phospholipid bilayer and enter the cell and nucleus and bind to DNA.

Define term endocrine and exocrine glands:

Endocrine gland secretes hormones directly into the blood capillaries running through the gland's tissue also have no ducts.

Exocrine gland that secrete useful molecules into a duct that carries the molecules to where they are used.

Effect of non-steroid hormones