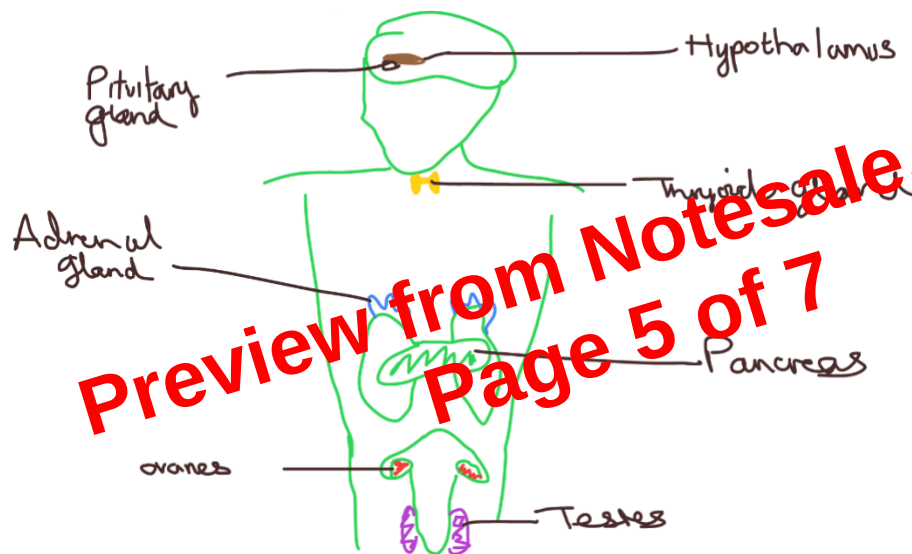


Cannabis – binds to its own receptors (cannabinoid receptors = THC) binds to these receptors (it blocks it) these neurones are then not excited as receptors are blocked and the neurones that are concerned are concerned with neurotransmitters GABA (inhibitory neurone) essentially we are blocking the process of inhibition and this effectively creates excitation this causes dopamine to get excited.

#### Lesson 4: The Endocrine System = system of producing hormone

Endocrine glands produce hormones to maintain homeostasis (the attempt to balance out all processes inside the body)

Hormones are released directly into the bloodstream, as a consequence their actions are much slower than those which occur in our nervous system. But can also be prolonged (continued for a long time)



- Pituitary gland = produces hormones e.g. growth hormones which are responsible for growth

Gonadotropic hormone releases in tests and ovaries

Cortisol = combats stress

- Hypothalamus = has a major role in regulating hormonal activity (releasing factors) they are called this as they cause the release of another hormone from another part of the body.
- Thyroid gland – produces a hormone = thyroxine = promotes general metabolism – is useful when our bodies are active.
- Adrenal glands = are responsible for the hormone adrenaline = very important when needed to produce very quick activity
- Pancreas – insulin promotes the storage of glucose in the body insulin stores glucose and releases it when needed for energy