

CB7: **Animal Coordination, Control and Homeostasis (Paper 2)**

Lesson	Objectives Tracker Sheet	Date covered	I know this well	I need to do more work on this
CB7a Hormones	B7.1 Describe where hormones are produced and how they are transported from endocrine glands to their target o			
CB7b Hormonal control of metabolic rate	B7.2 <b>H</b> Explain that adrenalin is produced by the adrenal glands to prepare the body for fight or flight, including: increased heart rate increased blood pressure increased blood flow to the muscles raised blood sugar levels by stimulating the liver to change glycogen into glucose.			
	B7.3 <b>H</b> Explain how thyroxine controls metabolic rate as an example of negative feedback, including: low level of thyroxine stimulates production of TRH in hypothalamus, this causes release of TSH from the pituitary gland, TSH acts on the thyroid to produce thyroxine, when thyroxine levels are normal, thyroxine inhibits the release of TRH and the production of TSH.			
CB7c The menstrual cycle	B7.4 Describe the stages of the menstrual cycle, including the roles of the hormones oestrogen and progesterone, in the control of the menstrual cycle.			
	B7.6 Explain how hormonal contraception influences the menstrual cycle and prevents pregnancy.			
	B7.7 Evaluate hormonal and barrier methods of contraception.			
CB7d Hormones and the menstrual cycle	B7.5 <b>H</b> Explain the interactions of oestrogen, progesterone, FSH and LH in the control of the menstrual cycle, including the repair and maintenance of the uterus wall, ovulation and menstruation.			
	B7.8 <b>H</b> Explain the use of hormones in Assisted Reproductive Technology (ART)			

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	including IVF and clomifene therapy.			
CB7e Control of blood glucose	B7.9 Explain the importance of maintaining a constant internal environment in response to internal and external change.			
	B7.13 Explain how the hormone insulin controls blood glucose concentration.			
	B7.14 <b>H</b> Explain how blood glucose concentration is regulated by glucagon.			
	B7.15 Explain the cause of type 1 diabetes and how it is controlled.			
CB7f Type 2 diabetes	B7.16 Explain the cause of type 2 diabetes and how it is controlled.			
	B7.17 Evaluate the correlation between body mass and type 2 diabetes including waist : hip calculations and BMI, using the BMI equation			