CB7 Animal Coordination, Control and Homeostasis

CB7a Hormones

Step	Learning outcome	Had a look	Nearly there	Nailed it!
6th	State where hormones are produced (in endocrine glands).	☐	☐	☐
6th	Describe the general role of hormones in the body.	☐	☐	☐
6th	Describe how hormones are transported around the body.	☐	☐	☐
6th	Describe the production and release of some common hormones from their endocrine glands (pituitary gland, thyroid gland, pancreas, adrenal glands, ovaries and testes).	☐	☐	☐
6th	Identify the target organs of some common hormones.	☐	☐	☐
7th	Explain the importance of hormones.	☐	☐	☐

CB7b Hormonal control of metabolic rate

Step	Learning outcome	Had a look	Nearly there	Nailed it!
6th	**H** Describe the effects of adrenalin on the body.	☐	☐	☐
7th	**H** Explain how adrenalin prepares the body for fight or flight.	☐	☐	☐
5th	**H** Define metabolic rate.	☐	☐	☐
6th	**H** Describe the effect of thyroxine on metabolic rate.	☐	☐	☐
7th	**H** Describe how a negative feedback mechanism works.	☐	☐	☐
8th	**H** Explain how negative feedback controls the production of thyroxine.	☐	☐	☐
10th	**H** Explain why negative feedback mechanisms are important in living organisms.	☐	☐	☐

CB7c The menstrual cycle

Step	Learning outcome	Had a look	Nearly there	Nailed it!
6th	Describe what happens during the menstrual cycle.	☐	☐	☐
6th	Describe the function of oestrogen in the menstrual cycle.	☐	☐	☐
6th	Describe the function of progesterone in the menstrual cycle.	☐	☐	☐
7th	Explain how barrier methods can be used as contraception.	☐	☐	☐
8th	Explain how hormones can be used as contraception.	☐	☐	☐
9th	Compare, contrast and evaluate hormonal and barrier methods of contraception.	☐	☐	☐

CB7d Hormones and the menstrual cycle

Step	Learning outcome	Had a look	Nearly there	Nailed it!
7th	**H** Describe how changes in hormones affect the uterus wall, ovulation and menstruation.	☐	☐	☐
8th	**H** Explain how oestrogen, progesterone, FSH and LH interact in the menstrual cycle.	☐	☐	☐
6th	**H** Describe examples of Assisted Reproductive Technology (ART).	☐	☐	☐
8th	**H** Explain how clomifene is used to stimulate ovulation.	☐	☐	☐
8th	**H** Explain how hormones are used in IVF treatment.	☐	☐	☐

CB7e Control of blood glucose

Step	Learning outcome	Had a look	Nearly there	Nailed it!
7th	Define homeostasis.	☐	☐	☐
8th	Explain why a constant internal environment is important.	☐	☐	☐
8th	Explain the role of insulin in regulating blood glucose concentration.	☐	☐	☐
8th	**H** Explain the role of glucagon in regulating blood glucose concentration.	☐	☐	☐
7th	Explain how type 1 diabetes is caused.	☐	☐	☐
7th	Explain how type 1 diabetes can be controlled.	☐	☐	☐

CB7f Type 2 diabetes

Step	Learning outcome	Had a look	Nearly there	Nailed it!
	Explain how type 2 diabetes is caused.	☐	☐	☐
	Explain how type 2 diabetes can be controlled.	☐	☐	☐
	Describe the correlation between body mass and type 2 diabetes.	☐	☐	☐
	Explain how BMI and waist : hip ratio are related to body mass.	☐	☐	☐
	Evaluate the correlation between body mass and type 2 diabetes.	☐	☐	☐