

Hormones

Q1 Hormones are chemicals that control processes within the body.

- a) **Where** in the body are hormones produced?
 b) **How** do hormones travel around the body?

Insulin is the hormone which instructs the liver to convert excess glucose into glycogen.

- c) **Where** is insulin produced?
 d) What is the **target organ** for the insulin?

Q2 Copy and complete the following table.

Name of hormone	Gland	Function
a) Insulin		turns glucose to glycogen
b)	Pancreas	turns glycogen to glucose
c) Estrogen	Ovaries	
d) Follicle Stimulating Hormone (FSH)		causes eggs to mature and ovaries to produce estrogen
e) Testosterone		develops male sexual characteristics

Q3 Explain in a sentence the **function** of each of the following glands:

pancreas, ovaries, pituitary, testes, adrenal

Q4 Complete the table below to compare the nervous system with the endocrine (gland / hormone) system.

	nervous system	endocrine system
speed of message		
precision of message	to a precise area	
duration of effect		
source of message	receptor	endocrine gland
how message is carried	nervous impulse	