

CHART OF ENDOCRINE GLAND FUNCTION

CHART 1

Endocrine Glands	Hormone	List Functions of Each Hormone
<p style="text-align: center;">Anterior Pituitary Gland</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 10px auto;"> <p style="margin: 0;">Tropic Hormones</p> <p style="margin: 0;">Regular Hormones</p> </div>	Follicle Stimulating Hormone (FSH)	
	Luteinizing Hormone (LH)	
	Adrenocorticotrophic Hormone (ACTH)	
	Thyrotropic Hormone (TSH)	
	Growth Hormone (GH)	
	Prolactin (PRL)	
	Melanocyte Stimulating Hormone (MSH)	

CHART OF ENDOCRINE GLAND FUNCTION CHART 2

Endocrine Glands	Hormone	List Functions of Each Hormone
Posterior Pituitary Gland	Oxytocin	
	Antidiuretic Hormone (ADH)	
Pineal Gland	Melatonin	
Parathyroid Gland	Parathyroid Hormone (PTH)	

CHART OF ENDOCRINE GLAND FUNCTION

CHART 3

Endocrine Glands	Hormone	List Functions of Each Hormone
Pancreas	Insulin	
	Glucagon	
Thyroid Gland	Thyroid Hormone (TH)	
	Calcitonin	

CHART OF ENDOCRINE GLAND FUNCTION CHART 4

Endocrine Glands	Hormone	List Functions of Each Hormone
Adrenal Medulla	Epinephrine	
	Norepinephrine	
Adrenal Cortex	Mineralocorticoids	
	Glucocorticoids	
	Gonadocorticoids	

CHART OF ENDOCRINE GLAND FUNCTION

CHART 5

Endocrine Glands	Hormone	List Functions of Each Hormone
Ovaries	Estrogen	
	Progesterone	
Testes	Testosterone	
Thymus	Thymosin	

INSULIN LAB DATA TABLE

Control		Experimental	
Glucose before Insulin	_____mg / dl	Glucose before Insulin	_____mg / dl
Glucose after Insulin	_____mg / dl	Glucose after Insulin	_____mg / dl

ENDOCRINE LAB DATA TABLE #1

	Normal Rat (N)	Thyroid gland removed Rat (TX)	Pituitary gland removed Rat (PX)
BASELINE			
Weight	kg	kg	kg
ml O ₂ used in 1 min	ml	ml	ml
ml O ₂ used per hour	ml	ml	ml
Metabolic rate	ml O ₂ / kg / hr	ml O ₂ / kg / hr	ml O ₂ / kg / hr
WITH THYROXINE			
Weight	kg	kg	kg
ml O ₂ used in 1 min	ml	ml	ml
ml O ₂ used per hour	ml	ml	ml
Metabolic rate	ml O ₂ / kg / hr	ml O ₂ / kg / hr	ml O ₂ / kg / hr
WITH TSH			
Weight	kg	kg	kg
ml O ₂ used in 1 min	ml	ml	ml
ml O ₂ used per hour	ml	ml	ml
Metabolic rate	ml O ₂ / kg / hr	ml O ₂ / kg / hr	ml O ₂ / kg / hr
WITH PROPYLTHIOURACIL			
Weight	kg	kg	kg
ml O ₂ used in 1 min	ml	ml	ml
ml O ₂ used per hour	ml	ml	ml
Metabolic rate	ml O ₂ / kg / hr	ml O ₂ / kg / hr	ml O ₂ / kg / hr

Oxygen Consumption per hour

$$\frac{\text{ml oxygen consumed}}{1 \text{ minute}} \times \frac{60 \text{ minutes}}{\text{hr}} = \text{ml O}_2 / \text{hour}$$

Metabolic rate per kilogram (kg) of body weight

$$\frac{\text{ml O}_2 / \text{hour}}{\text{wt in kg}} = \text{ml O}_2 / \text{kg} / \text{hour}$$

DIABETES

Summarize each of the following portions of the tutorial as you review the exercise. Provide at least 3 complete sentences in your answers

What is Diabetes	
Signs Symptoms	
Treatment Options	
Control Diabetes	
Hyperglycemia	
Hypoglycemia	
Complications	

THYROID SURGERY

Summarize each of the following portions of the tutorial as you review the exercise. Provide at least 3 complete sentences in your answers

Anatomy	
Hypothyroidism	
Hyperthyroidism	
Nodules	
Diagnosis	
Treatment	
Surgery	
Risks	

PANCREATITIS

Summarize each of the following portions of the tutorial as you review the exercise. Provide at least 3 complete sentences in your answers

Anatomy	
Pancreatitis	
Acute	
Acute Diagnosis	
Chronic	
Chronic Diagnosis	