

Reading Guide: Chapter 9 – Endocrine System (pages 308 –333)

1) Describe the functions of the endocrine system.

2) Define **HORMONE**: _____

3) What are target cells/organs?

4) Describe how the endocrine system makes use of **NEGATIVE FEEDBACK**.

5) Complete the following chart, summarizing the various hormones of the endocrine system, their target cell or organ, and their general function(s).

Hormone	Target cell / organ	Action(s) / Function(s)
HYPOTHALAMUS:		
Releasing hormones		
ANTERIOR PITUITARY:		
Growth hormone		
Prolactin (PRL)		
Follicle-stimulating hormone (FSH)		
Luteinizing hormone (LH)		
POSTERIOR PITUITARY:		
Antidiuretic hormone (ADH)		
Oxytocin		

Hormone	Target cell / organ	Action(s) / Function(s)
THYROID GLAND:		
Thyroxine		
Calcitonin		
PARATHYROID GLAND:		
Parathyroid hormone (PTH)		
ADRENAL GLANDS:		
Epinephrine		
Norepinephrine		
Aldosterone		
Cortisol		
PANCREAS:		
Glucagon		
Insulin		
PINEAL GLAND:		
Melatonin		

6) List / describe the short-term and long-term effects of the general stress syndrome.

Short-term effects:

Long-term effects: