Hypothalamus and Pituitary Gland

Read Chapter 17.3

Fill in the blanks

 The stalk that connects the hypothalamus to the anterior pituitary gland is called the The hypothalamus connects to the posterior pituitary gland through 			
			3.
gland:			
a.			
b.			
4.	The bo	ne that protects the pituitary gland is the bone and it has a depression	
	where	the pituitary gland sits called the	
5.	Write the anterior pituitary hormone produced when stimulated by each of the hypothalamus		
	hormo	nes (include the hormone abbreviation in brackets):	
	a.	Growth hormone releasing hormone (GHRH)	
	b.	Thyrotropin releasing hormone (TRH)	
	c.	Corticotropin releasing hormone (CRH)	
	d.	Gonadotropin releasing hormone (GnRH) and	
	e.	Prolactin releasing hormone (PRH)	
6.	Below are hormone characteristics, write the correct hormone beside each one. You may use		
	each h	ormone more than once.	
	a.	Causes the kidneys to reabsorb water when blood pressure is low	
	b.	Causes the uterus to contract during childbirth	
	c.	Causes the anterior pituitary gland to produce ACTH	
	d.	Causes the anterior pituitary to produce TSH	
	e.	Stimulates bones to take up minerals and increases protein synthesis in muscles	
	f.	Is involved in feeling love, empathy, and trust	
	g.	Stimulates the adrenal cortex to produce cortisol	
	h.	Stimulates the production of thyroid hormones	

	i.	Causes the gonads to produce testosterone
	j.	Stimulates milk production during lactation
	k.	Stimulates milk ejection during breast feeding
	l.	A lack of this hormone can cause dwarfism
	m.	A hypothalamus hormone that inhibits the production of prolactin
	n.	Increases blood sugar by stimulating the breakdown of stored fat
	0.	Stimulates ovulation
	p.	Stimulates development of germ cells to produce sperm or eggs
	q.	A hormone that is primarily regulated by positive feedback
7.	Name 2	hormones that are inhibited by stress:
	a.	
	b.	
8.	Name 3	hormones stimulated by exercise:
	a.	
	b.	
	c.	