The Endocrine System

Fill in the blanks

Functions of the endocrine system

1.	Two m	ajor communication systems and key components of homeostasis, are:		
	a.	The nervous system that communicates via		
	b.	The endocrine system that communicates via		
2.	Neurot	ransmitters are released from and target		
	a.	Other neurons		
	b.			
	c.			
3.	Hormo	ones are released from endocrine and can target any cell in the body.		
4.	4. Exocrine glands are part of tissue and secrete substances through a			
	a.	A hollow		
	b.	The of the body		
5.	5. State if the following glands are endocrine or exocrine:			
	a.	Sweat glands		
	b.	Pancreas releasing insulin hormone into bloodstream		
	c.	c. Pancreas releasing digestive enzymes into duodenum		
	d.	Thyroid gland		
	e.	Gastric glands that release hydrochloric acid		
	f.	Hypothalamus		
6.	List some examples of thing that are regulated by homeostatic mechanisms of hormones			
	a.	Blood sugar		
	b.			
	c.			
	d.			
7.	The endocrine systems functions to regulate many processes of living including growth,			
	metab	olism, stress,,, and		
Types	of horm	ones		
8.	8. For hormones to exert an effect they must bind to a either on the ce membrane or			

9.		-	hormones bind their receptor on the cell membrane
10.			hormones bind their target receptor inside the cell
11.	Examp	les of water-soluble h	normones include:
	a.	The catecholamines	s:, and
12.	Examp	les of fat-soluble hor	mones include:
	a.	Thyroid hormones	
	b.	Steroid hormones:	,,, Androgens, calcitrio
		(vitamin D).	

13. Label the endocrine glands in the diagram: hypothalamus, pituitary gland, thyroid gland (anterior view), parathyroid gland, kidney, ovaries, testes, thymus, adrenal glands, pancreas

