

Name: _____ Set: _____ House: _____

HORMONES

WORDS: chemical endocrine gland secretion exocrine
 duct

A hormone is a that is released into the blood by a

The release of hormones is called

What are the two types of gland?

.....and.....

What is the difference between the two types of gland?

.....

Using the table below, can you list as many differences between hormones and nerves as possible?

Hormones	Nerves

Pituitary Gland

Where is the pituitary gland found?

.....

Circle the hormones produced here:

FSH testosterone ADH Thyroxin oestrogen

Pancreas

What does the pancreas secrete?

.....

.....

Put a star next to the endocrine function and a circle next to the exocrine function.

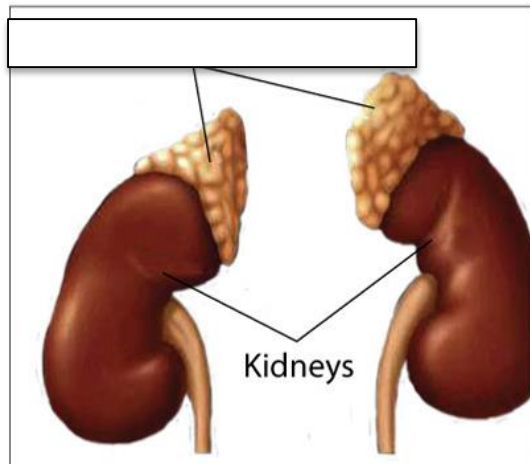
Which hormones are produced where?

Hormone	Endocrine Gland	Target Organ	Action
Adrenaline			
	Pituitary gland		
Insulin		Liver and Muscles	
	Pancreas		Increases glucose level of blood
Oestrogen		Ovaries, uterus, pituitary gland	
	Testes		

Adrenaline

The or response.

Secreted by your glands.



Think about a time when you were *really* scared. What biological changes did you feel?

.....

.....

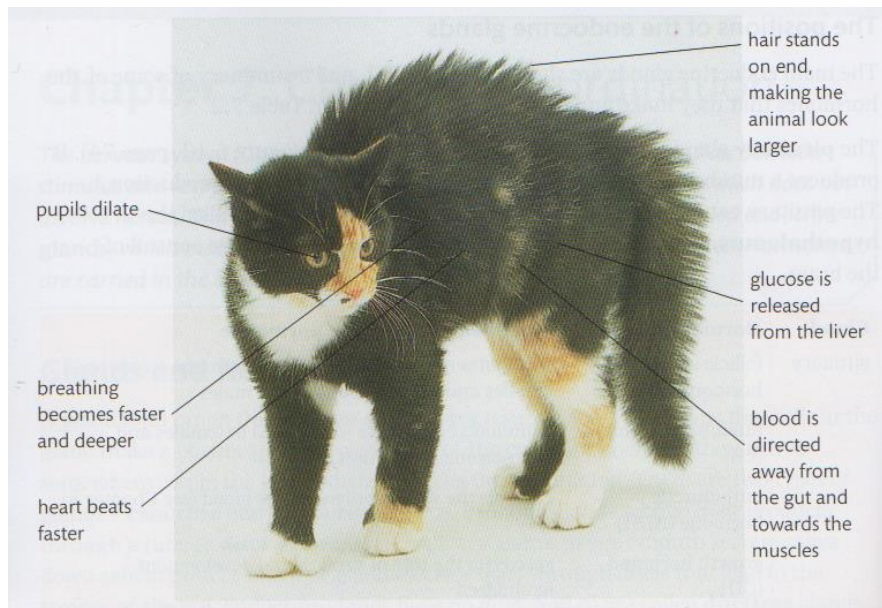
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Write a biological reason why each of the changes happen to the cat:

The pupils dilate in order to

The breathing changes in order to

The heart beats faster in order to

The hair stands on end in order to

Blood is diverted to muscles in order to

Glucose is release into the blood because