Web Quest-Endocrine System **Name: _____**

Step One: **Endocrine System in General**

Log on to:

https://www.abpischttps://www.abpischools.org.uk/topics/hormones-and-their-effects/what-do-hormones-do/hools.org.uk/topics/hormones-and-their-effects/what-do-hormones-do/

Page 2

Describe the locations and functions of the main endocrine glands:

Endocrine Gland	**Where in the body**	**Hormone(s) produced**
Pituitary		
Testis		
Ovary		
Pancreas		
Adrenal		
Thyroid		

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1) Which endocrine gland starts off the process of puberty?

2) Which two hormones, produced by this gland, stimulate the production of sex hormones?

3) What hormone is produced in the testes?

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1) What happens at around day 14 of the menstruation cycle?

2) Which hormone causes the thickening of the lining of the uterus?

3) Put the following phrases into the order they occur in the menstrual cycle:

___Uterus Lining thickens with blood vessels
___Uterus lining breaks down
___Egg disintegrates
___Egg Travels down oviduct
___Menstruation Occurs
___An egg matures and is ready for release

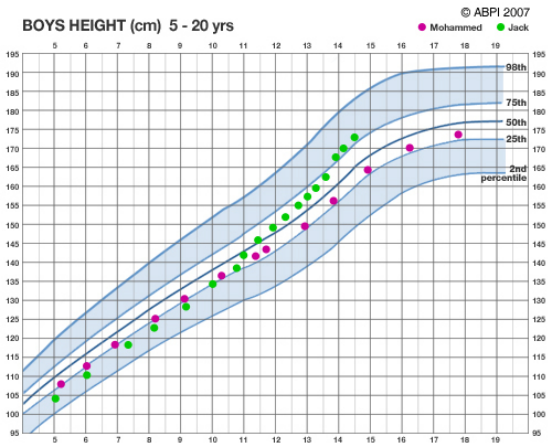
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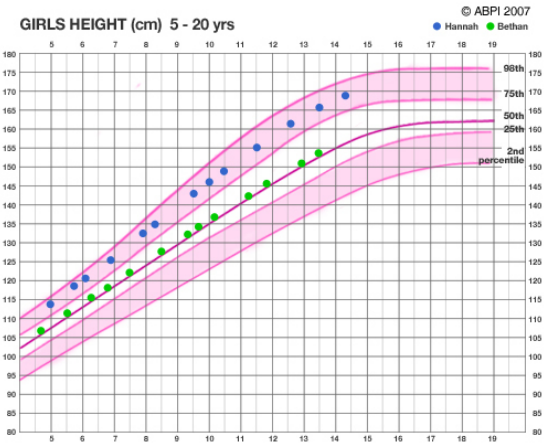
1) _____ stops during pregnancy.
2) Pregnancy lasts for _____ in humans.
3) Oxytoxin is the hormone, which starts the _____ contracting.
4) A _____ from the pituitary gland stimulates the production of milk.
5) The hormones in the contraceptive pill stop the production of _____
6) IVF is the short way of writing In-Vitro _____
7) The hormone used to stimulate the development of eggs is _____

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_____ - type of diabetes usually found in children
_____ - the way large quantities of insulin can be made
_____ - found in the blood after eating sweets
_____ - a chemical messenger
_____ - chromosomes are made of this
_____ - type of diabetes usually found in older people
_____ - stored in the liver
_____ - the hormone that controls the level of blood glucose
_____ - where insulin is made in the body
_____ - method of getting insulin into the body

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1) Which child's height is ***above*** average?
2) Which child's height is average?
3) Which child's height is ***below*** average?
4) Which child seems to have significant growth problems?

5) Dwarfism is a result of too _____ growth hormone.
6) Growth hormone is produced by the _____
7) Robert Wadlow had too _____ growth hormone.
8) Acromegaly is a disease in _____
9) Bovine growth hormone comes from _____

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1.Adrenaline _____ heart rate.
2.Adrenaline _____ blood sugar.
3.Stress causes _____of adrenaline.
4.A rise in water in the blood causes a _____ of ADH.
5.ADH causes _____urine to be made.

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Page 10 Just do the quiz- don't record anything.

Step Two: Glucose Homeostasis

Log on to : http://www.wisc-online.com/objects/index_tj.asp?objID=AP15004

List the seven hormones that are involved in Glucose homeostasis and briefly describe the role of each protein. Record your "quiz" answers in the last column.

Hormone (name and abbreviation)	Where is it secreted	What is its role with Glucose Homeostasis?	Effect on Blood glucose Levels
GH			⇧ ⇩
T3 T4			⇧ ⇩
Cortisol			⇧ ⇩
Glucagon			⇧ ⇩
Insulin			⇧ ⇩
Somatostatin			⇧ ⇩
Epi/NorEpi			⇧ ⇩