

In-Class Assignment: Female Reproductive Cycle Timeline

OBJECTIVE: To create a flowchart that will show the connections between of the ovarian and uterine cycles.

MATERIALS:

- 11 x 17" piece of blank paper
- Multi-coloured writing utensils

INSTRUCTIONS:

1. Using your textbook and notes, outline the ovarian and uterine cycles on the sheet of paper provided.
2. Label the ovarian cycle phases – follicular, ovulation and luteal
3. Label Uterine cycle phases – menstruation, proliferative and secretory
4. Include the relevant hormones (GnRH, FSH, LH, Estrogen, Progesterone) in the appropriate phases, and make sure to **connect the timeline to the hormones**. For each hormone, show:
 - *where the hormone is secreted*
 - *where the hormone causes a reaction*
 - *the effect(s) of the hormone*
 - *what sort of feedback is involved and how it acts.*
5. Make connections to the hypothalamus, anterior pituitary, ovary (follicle and corpus luteum) and endometrium
6. Use different colours and numbers to show the order of the steps
7. You may also find it helpful to include a graph of the levels of the 5 hormones (optional)

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ASSESSMENT: Female Reproductive Cycles Timeline!

Names: _____

Assessed by: _____

Block: _____ Date: _____

	BEGINNING	DEVELOPING	ACCOMPLISHED	EXEMPLARY
CONTENT (STRUCTURE)	Many of the glands or hormones are missing or incorrectly used	The majority of the glands or hormones correctly used, while some components are missing or incorrect	Almost all the glands or hormones are correctly used, with some minor errors.	All the glands or hormones are correctly used
<p><i>All phases and days included for the ovarian and uterine cycles</i> <i>All hormones included: GnRH, FSH, LH, progesterone and estrogen</i> <i>All structures included: Hypothalamus, anterior pituitary, ovary (follicle and corpus luteum) and endometrium</i></p>				
CONTENT (PROCESS)	Most of the feedback mechanisms are incorrect	The majority of the feedback mechanisms are correct and accurate, with some components missing or incorrect	Almost all of the feedback mechanisms are correct and accurate, with some minor errors.	All feedback mechanisms are correct and accurate
<p><i>All Feedback mechanisms show:</i></p> <ul style="list-style-type: none"> ○ <i>where the hormone comes from</i> ○ <i>where the hormone goes to</i> ○ <i>what the hormone causes to happen</i> ○ <i>what sort of feedback is involved and how it acts</i> ○ <i>What phase of the ovarian & uterine cycle(s) it is active in</i> 				
CLARITY	Although an attempt is made, it is difficult to understand most of the diagram.	Most of the diagram is well organized with clear, but some sections are not.	Entire diagram is organized and clear but a few details take effort to decipher, and so could not be used as a teaching tool	Entire diagram is effectively organized and easy to follow, the diagram can be used as a teaching tool.

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