



Activity 6:

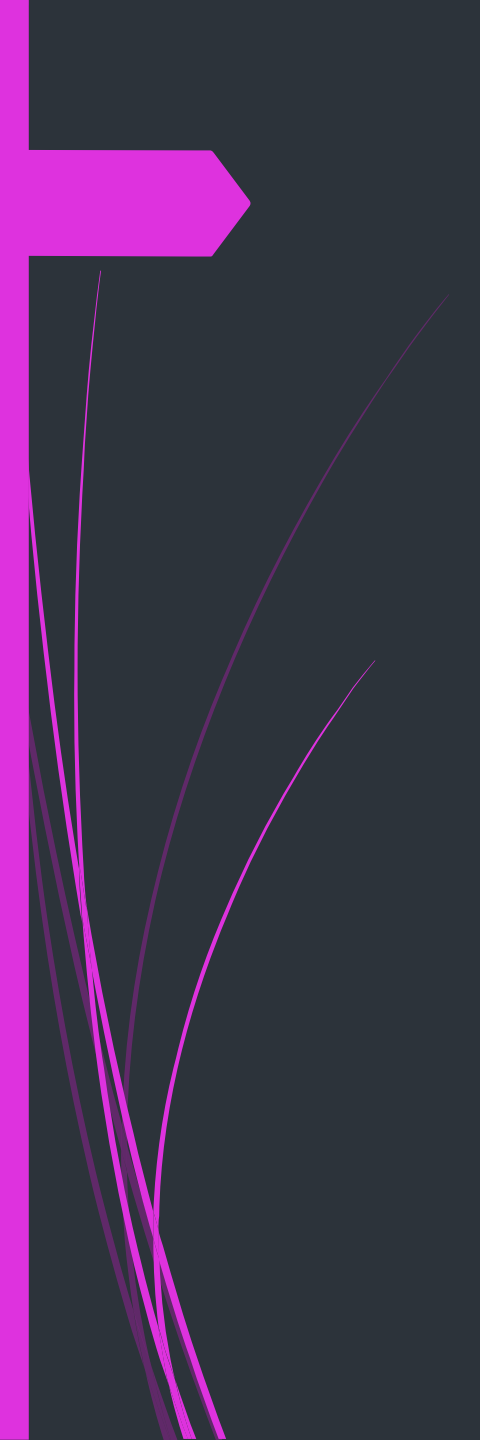
# Mark my Calendar

By: Group 1









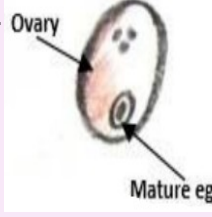

















# Feedback Mechanisms Involved in Regulating Processes in the Female Reproductive System

## The Menstrual Cycle

- An ovary releases only one egg every 28 days.
- Takes place in the female reproductive system.
- Occurs every month from the first onset.
- 10-13 years old.
- Monthly cycle continue for about 40 years.



PART A  
For no  
Fertilization

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 	2 	3 	4 	5 	6	7 
8	9  Young egg	10 	11  Ovary Mature egg	12  Uterus	13	14 
15 	1 	17 	18	19 	20 	21 
22 	23 	24 	25 	26 	27 	28
29 	30	1 	2 	3	4	5

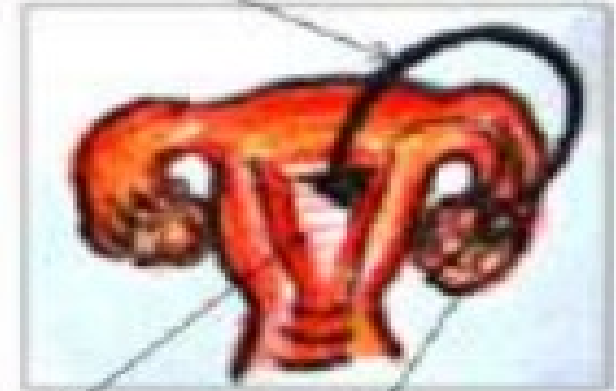
1. The pituitary gland controls and starts the cycle.
2. The pituitary gland releases hormones that cause the egg in the ovary to mature.
3. Meanwhile, the ovary itself releases a hormone called estrogen, which causes the uterine lining to increase in thickness. The uterine lining becomes thicker so that the fertilized egg can attach to it.

1 Pituitary Gland releases hormones.

2 Hormones travel along the pathway



3 Estrogen is given off by ovary



3 Uterus thickens

3 Egg matures

8

9

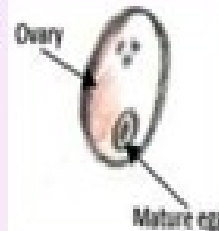


Young egg

10



11



Mature egg

12



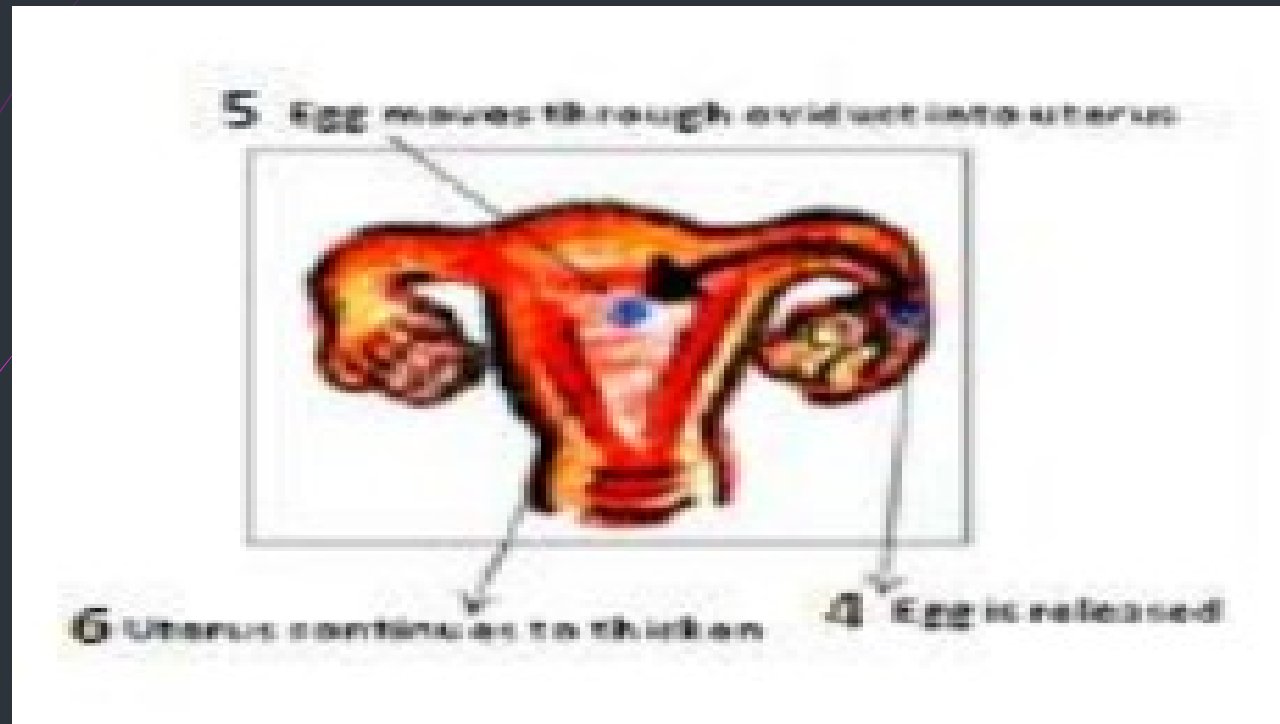
Uterus

13

4. The ovary releases an egg on day 14. Assume that no sperm is present.

5. The egg moves through the oviduct and enters the uterus.

6. Meanwhile the uterine lining continues to thicken.



14

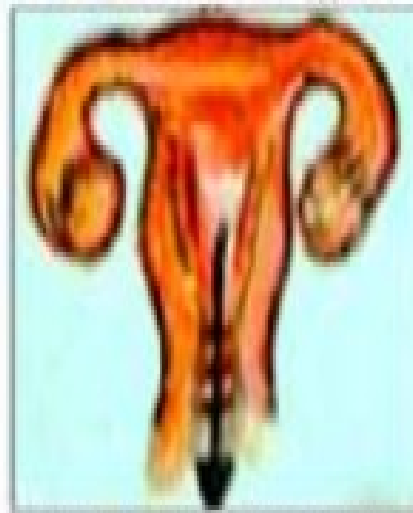


7. The egg has not been fertilized, therefore, it will not attach to the uterus.

8. The thick uterine lining is no longer necessary, so the cells of the thickened uterine lining break off and leave the vagina. The unfertilized egg is lost and some blood is lost too. This loss of cells from the uterine lining, blood, and egg is called menstruation.

9. After menstruation, the cycle starts again.

A. When NO SPERM ENTERS - Egg is not fertilized.
















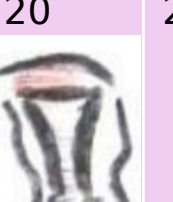



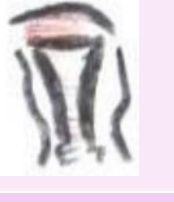





Menstruation occurs



# PART B

## With Fertilization of the Egg

SUNDAY,	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 	2 	3 	4 	5 	6	7 
8	9 	10  Sperm	11 	12  Uterus	13	14 
15 	16 	17 	18	19 	20 	21 
22 	23 	24 	25 	26 	27	28
29	30	1 	2	3	4	5

When sperm enters – Egg is Fertilized

Fertilized Egg attaches to the Uterus

B. When SPERM ENTERS - Egg is fertilized.



Fertilized egg attaches to the uterus

No menstrual cycle for nine months





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