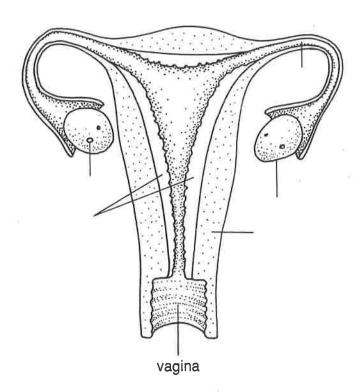
Name	Class	Period
24-3 What are the	Stages in the M	Ienstrual Cycle? —
The human female repropersion. It produces a new exprepare the lining of the uter does occur. This is accomplished the egg and occur. All of these events occurature female.	egg each month for fe rus for a new embryo hed by a thickening of I thickened uterus lini	rtilization. It must if fertilization of an egg f the uterus lining. ng if fertilization does not
mature female.		INTERPRETATIO
OBJECTIVES In this exercise, you will:  a. review the organs that form b. prepare a calendar that show menstrual cycle if no fertilize c. prepare a calendar that show menstrual cycle if fertilizatio  KEYWORDS	ws the changes occurri ation occurs. ws the changes occurri	ng during the human
Define the following keywords:		
fertilization		· · · · · · · · · · · · · · · · · · ·
menstrual cycle		
ovary		
oviduct		
uterus		
MATERIALS Z		
scissors		
tape		
PROCEDURE		

- NOTE: The diagram is 1/3 natural size.
  - a. ovary—two are present, round in shape
  - b. egg-small cells present within ovary
  - c. uterus—large muscle, V-shaped, largest part of reproductive system
  - d. oviduct—thin tube connecting each ovary to uterus
  - e. uterus lining—inner wall or lining of uterus

## FIGURE 1.



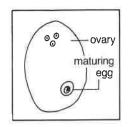
## Part B. Changes in the Menstrual Cycle; No Fertilization of Egg

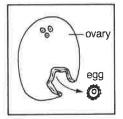
- 1. Obtain a copy of Figure 2 from your teacher.
- 2. Use scissors to cut out the square diagrams in Figure 2. These diagrams show the different stages that occur during the menstrual cycle if fertilization does not occur.
- 3. Look over the calendar marked Figure 3. It describes a series of events that take place in the female reproductive system if fertilization does not take place.
- 4. Match the diagrams that you cut out with the events being described in the calendar.
- 5. When all diagrams have been properly matched, tape them onto the calendar in their proper location to the right of the brackets describing the events.

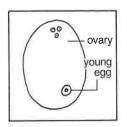
## Part C. Changes in the Menstrual Cycle; Fertilized Does Occur

- 1. Obtain a copy of Figure 4 from your teacher.
- 2. Use scissors to cut out the square diagrams in Figure 4. These diagrams show the different stages that occur during the menstrual cycle if fertilization does occur.
- 3. Look over the calendar marked Figure 5. It describes a series of events that take place in the female reproductive system if fertilization does take place.
- 4. Match the diagrams that you cut out with the events being described in the calendar.
- 5. When all diagrams have been properly matched, tape them onto the calendar in their proper location to the right of the brackets describing the events.

## FIGURE 2. No fertilization of egg

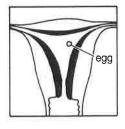
















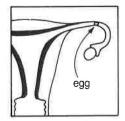
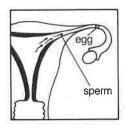
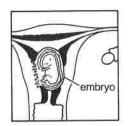




FIGURE 4. Fertilization of egg

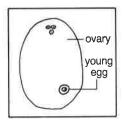








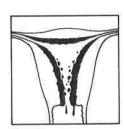












Cycle repeats itself.

		100 100 100 100 100 100 100 100 100 100		
35		14	21	<b>28</b> Go back to day 1.
	ထ	13 Mature egg is released from ovary	20	27 nd egg are ready ey are no
	Uterus lining is thin after blood and tissue have been lost.	12	Uterus lining is very thick—egg moves lower in uterus.	26 Lining of uterus and egg are ready to be shed. They are no longer needed.
	4	11 Uterus lining is thickening.	18	25
	3 New egg is maturing in ovary.	10	Uterus lining continues to thicken.	24 Uterus lining is at its thickest.
	2	Egg within ovary is almost fully mature.	16	23
>	Uterus lining and egg are shed during menstruation.	œ	Egg is in oviduct. No sperm cells present. Egg is not fertilized.	8

FIGURE 3. Day by day changes in the menstrual cycle-no fertilization of egg

		14	21	266 Last day of pregnancy—Birth occurs. Go back to day 3 of either calendar
	ဖ	Mature egg is released from ovary into oviduct.	6-day-old embryo buries itself in uterus.	265
	Uterus lining is thin after blood and tissue have been lost.	12	9	85
	4	11 Uterus lining is thickening.	<del>6</del>	<u>p</u>
*	New egg is maturing in ovary.	10	17	90 Embryo is very large —almost a fetus.
jure 3	8	9 Egg within ovary is almost fully mature.	9	SE.
To Figure 3	Uterus lining and egg are shed during menstruation.	ω	15 Sperm cells fertilize egg.	30 Uterus continues to thicken as embryo grows.

FIGURE 5. Day by day changes in the menstrual cycle-fertilization of egg

1.	Describe the role or function of the following:	
	. ovary	
	. uterus lining	
	. uterus muscle	
	l. oviduct	
2.	an average menstrual cycle with no fertilization takes how many days?	
3.	Describe the changes that take place during the menstrual cycle from day 1– he following:	4 to
	. unfertilized egg	
	. uterus lining	
4.	e. egg in ovary	13
	. uterus lining	
	. egg in ovary	
5.	Describe what happens to the egg during the menstrual cycle on day 14.	
6.	Describe the changes that take place to an egg	
	. from day 15–28 if no fertilization occurs	
	. from day 15–21 if fertilization does occur.	
	c. from day 21–266 if fertilization does occur.	
	,	
7.	Explain why the female	
	needs a thick uterus lining if fertilization does occur	
	o. no longer needs a thick lining if fertilization does not occur	

**QUESTIONS**