



What is ...?

Looking **at** Life  
in the Womb  
FOR KIDS

STUDENT LIFE NOTEBOOK

# Looking <sup>at</sup> Life

in the Womb

## Student Life Notebook

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Name: \_\_\_\_\_

# Graphic Organizer for Human Life Cycle

Be sure to identify where each of the following occur:

- Birth
- Growth
- Reproduction
- Death

# Human Time Line Graphic Organizer

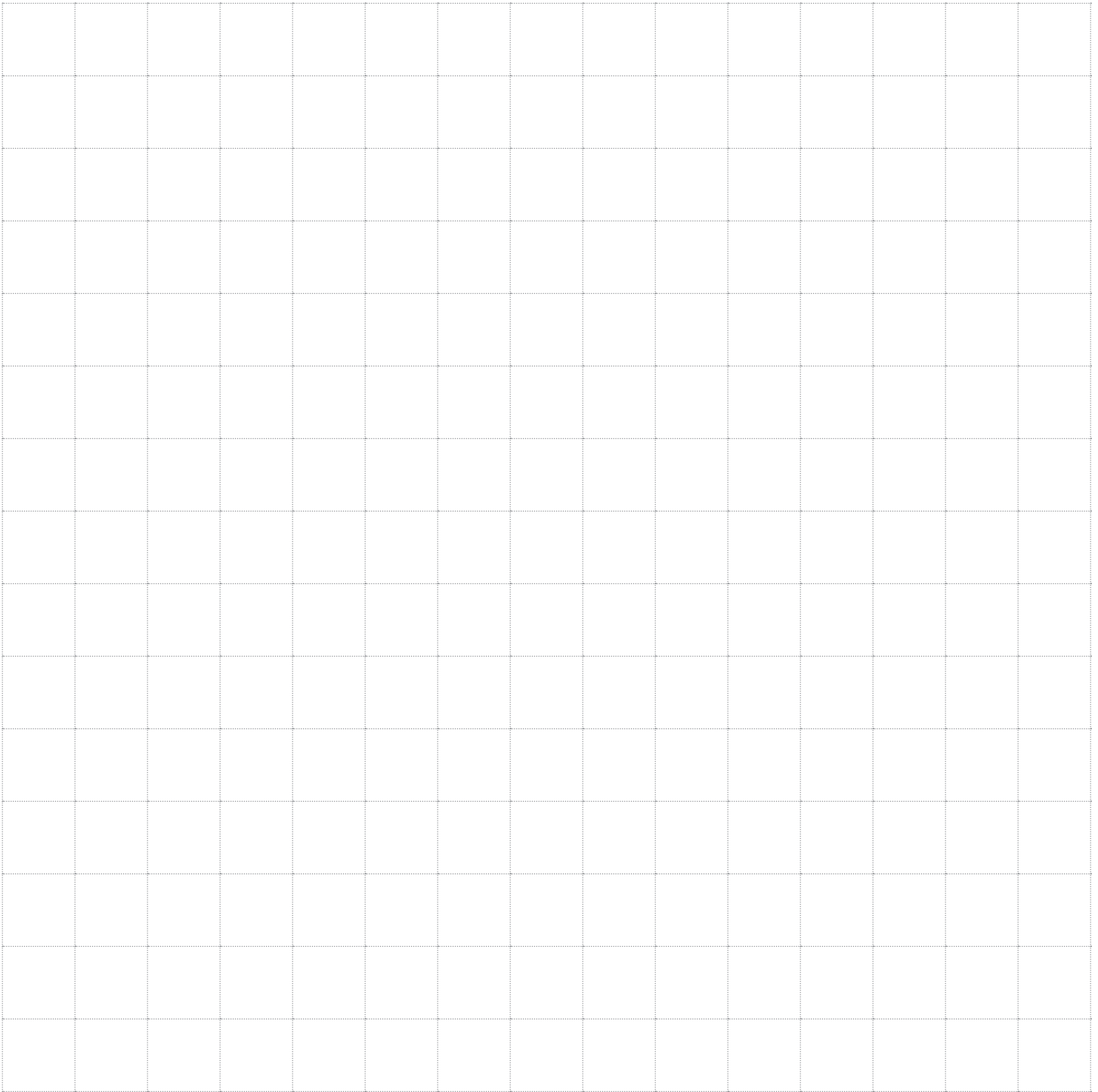
Years	Number of Tokens	Criteria (Based on observations and experiences with human growth and development)

# Ultrasound Notes Organizer

Record your observations during the video. Pay close attention to how the baby grows and develops while in the womb.

[illegible]

# Modeling Me! Blueprint Activity Sheet



Draw your model to scale (each square is  $\frac{1}{2}$ "). Be sure to include:

- Measurements indicated for the real model, including the overall length;
- Building materials that will be used, clearly labeled;
- Description of something that the baby could be developing/doing at its age; and
- Name and age (in weeks).

# Argumentation Graphic Organizer

QUESTION:		
CLAIM	EVIDENCE	REASONING

# Appendix

## First Trimester (Weeks 1–12)

### (0 week 1 day through 3 weeks 6 days)

- Conception and implantation occurs
- Height is 0.04 in. (1 mm) (3 weeks)



### (4 weeks 0 days through 7 weeks 6 days)

- The size of a blueberry (a little under 0.25 in. long) (by week 7)
- Heart begins beating (5½ weeks)
- Upper and lower limb buds are forming (week 6)
- Brain and nervous system are developing (week 5)
- Eyes, ears and nose are forming (week 6)
- Almost all major organs are starting to form (week 7)
- The respiratory system begins forming (week 6)



### (8 weeks 0 days through 12 weeks 6 days)

- About 1.25 in. (3.1 cm) from crown to rump (week 10) (info taken from [babycenter.com/pregnancy/your-body/growth-chart-fetal-length-and-weight-week-by-week\\_1290794](http://babycenter.com/pregnancy/your-body/growth-chart-fetal-length-and-weight-week-by-week_1290794))
- Has lips and nose (week 8)
- Arms start developing paddle-shaped hands (week 8)
- Limbs and body are moving (week 8)
- At this point, baby grows 1 mm/day (week 8)
- Embryo has four-chambered heart (week 9)
- Taste buds appear and eyelids form (week 9)
- Toes start to form (week 9)
- Cartilage starts to harden and becomes bone (week 9)
- Stomach and pancreas produce digestive enzymes (week 10)



- Movements are complex and purposeful, such as thumb sucking (week 11)
- The baby is now called a fetus (week 11)
- Fingerprints start forming (week 12)

## Second Trimester (Weeks 13–27)

### (13 weeks 0 days through 15 weeks 6 days)

- Complex facial features have formed (week 13)
- Practices breathing in the womb (week 13)
- Vocal cords start developing (week 13)
- Approximately 6.5 in. (16.7 cm) from crown to heel (week 15) (info from [babycenter.com](http://babycenter.com))



### (16 weeks 0 days through 19 weeks 6 days)

- Height is 9.5 in. (24 cm) from crown to heel (week 19) (info from [babycenter.com](http://babycenter.com))
- Body develops fat (weeks 17–18)
- Mother begins feeling movement



### (20 weeks 0 days through 23 weeks 6 days)

- Approximately 12 in. (30.6 cm) from crown to heel (week 23)
- Sweat glands have developed (week 20)
- Babies as young as 21 weeks have survived outside the womb
- Inner ear has developed and baby responds to loud sounds (week 22)





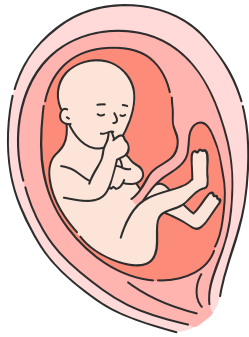
### (24 weeks 0 days through 27 weeks 6 days)

- Approximately 14.5 in. (36.6 cm) (week 27) (info from *babycenter.com*)
- Responds to music, reading and singing
- Eyes respond to changes in light
- Surfactant is produced in the lungs
- Kicks are more powerful
- Baby sleeps and dreams

## Third Trimester (Weeks 28–40)

### (28 weeks 0 days through 31 weeks 6 days)

- Approximately 16.5 in. (41.8 cm) from crown to heel (week 31)
- Sleep patterns are forming
- Can smell different odors in the amniotic fluid
- Heart pumps 750 quarts of blood each day



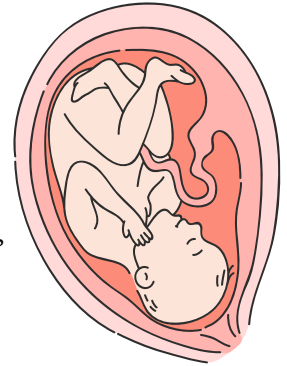
### (32 weeks 0 days through 35 weeks 6 days)

- Approximately 18.25 in. (46.3 cm) from crown to heel (week 35)
- Brain growth and lung maturation
- Improved ability to recognize familiar songs and stories



### (36 weeks 0 days to full-term 40 weeks)

- Approximately 19.75 in. (50.1 cm) from crown to heel (week 39) (info taken from *babycenter.com*)
- Baby is very active in the womb, preparing for life after birth
- A newborn can recognize its mother by her smell, voice or face





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