

Watch the Video and fill in the blanks:

Life Before Birth-In the Womb (1:42:53)

<https://youtu.be/OgAsdEUNUJY>

Fill in the Blank:

1. A healthy adult male may have **500 million** sperm.
2. A **day** after fertilization, the egg makes the first division.
3. After four to five days, the blastocyst will be around **100** cells.
4. The inner clump of cells in the blastocyst becomes the **embryo**.
5. The inner cells in the blastocyst are all identical and known as **stem** cells and can become any one of 200 types of cells.
6. After **7** days, the blastocyst reaches the uterus.
7. One of the first recognizable organs to form is the **heart**.
8. After **22** days, the heart begins to beat and is the size of a **poppy** seed.
9. At 4 weeks the embryo is as big as a **kidney** bean and grows **1** mm/day.
10. At 8 weeks, the embryo becomes known as a **fetus**.
11. The mother and fetus have a total **separate** blood supply.
12. **Alcohol** and **nicotine** can pass directly to the fetus.
13. The hormone, **progesterone** is secreted throughout the pregnancy and prevents the mother from releasing more eggs.
14. The video states that the **placenta** is the nerve center of the pregnancy.
15. Fraternal twins occur when **two eggs** are released by the mother.
16. When the egg splits in two, **identical** twins are formed.
17. By the time of birth, a female's ovaries will have made a **lifetime** supply of eggs.
18. Only **50** % of fertilized eggs survives all the way through pregnancy.
19. The second trimester begins at **12** weeks.
20. By **6 to 8** weeks, the fetus begins to practice a wide range of intricate movements.
21. **Hands** develop before the feet.

22. The sense or awareness of where your body is in space and the ability to safely maneuver around your environment is called **proprioception**.
23. A mother may become aware of fetal movements by **18** weeks if this is her first pregnancy and as early as **15** weeks if she has had a prior pregnancy.
24. At **24** weeks, it is possible for the fetus to live outside the womb.
25. A premature infant has a large risk for **brain damage**.
26. Caucasian baby will almost always have **blue** eyes at birth.
27. Sound travels **4** times faster in fluid than in air.
28. At 26 weeks, the fetus will react to sudden sounds with a **startle** reflex.
29. The fetus swallows **half a liter(s)** of amniotic fluid per day in the third trimester.
30. The **sucking** reflex needs to be perfected before birth.
31. The fetus' heart beats about **twice** the rate of the mother's.
32. Prolonged anxiety and **stress** can be passed on, and establish a tendency for **stress** in the child, making him more likely to develop chronic health problems as an adult.
33. The last of the major organs to fully form is the **lungs**.
34. The fetus makes **breathing** motions to practice so that the lungs may expand the minute the baby is born.
35. **Classical** or **choral** music will have a calming or sedating effect on the fetus.
36. In the last weeks of pregnancy the fetus spends **90%** of the time asleep.
37. After 8 months in the womb, the fetus has **100** billion neurons with **100** trillion connections.
38. Only **5%** of babies are born on their due date with most being born within 2 weeks either side of the due date.
39. No one knows exactly what initiates **labor**.
40. The hormone, **oxytocin** kick starts contractions.
41. When the lungs are mature, they secrete a protein that alters placental production of hormones which slows the release of **progesterone** and triggers the release of oxytocin.
42. Adrenaline prepares the **lungs** for a lifetime of work.
43. As soon as the baby is born the lungs drain of **fluid** and **air** rushes in.

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44. Each year, approximately **130** million women across the world go through pregnancy and birth.
45. Write a one paragraph opinion on the last question posed in the video: **What is the point in which life begins?** (Note: there is NO right answer. This is your opinion. Please use correct grammar.)

Life begins in conception. It is formed by the love between the mother and the father. It is a gift and a blessing at the same time from God.