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Gurley Clinical Make-Up Video Questions

Before Birth: In the Womb

IM 6

Life

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.

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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 16 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 ~~swallowing~~ reflex needs to be perfected before birth.
31. The fetus' heart beats about twice ^{as fast} the rate of the mother's.

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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 labour.
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.
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.)

I think life begins when the heart starts to form. I consider that as the first sign that life begins. It also distributes the nutrients and oxygen that it receives from the placenta and I think that means that it has basically functions the same as ^a ~~an~~ adult human. It is the starting point where other organs also start to form which is why I consider it as the point where life begins.