

out Sex Are ginning of of Life.

8 When did you first start looking like either a boy or a girl?

- A. The seventh month of pregnancy
- B. The end of the second month
- C. When the doctor announced to your parents, "It's a..."

9 If your mother smoked tobacco while she was pregnant, you may have been born:

- A. Overweight and overdue
- B. Underweight and premature
- C. With yellow teeth and a nagging cough

10 How premature can a baby be born and still survive?

- A. 4 weeks early
- B. 8 weeks early
- C. 16 weeks early

11 When did you begin to look like your mom and dad?

- A. When your mom was 6 months pregnant
- B. When your mom was 4 months pregnant
- C. Who cares when it happened - does anybody know a good plastic surgeon?

4 Your mother says you started to kick and poke her:

- A. 3 months into the pregnancy
- B. At 4 months
- C. Never mind when you started, when are you going to stop?

5 Five months into the pregnancy you got a lot of hiccups because:

- A. Your mom was pigging out on pickles, pizza, ice cream and sardines
- B. You swallowed amniotic fluid
- C. Your diaphragm was being formed
- D. You couldn't find a bag to put over your head

6 Before you were born, your skin was:

- A. As wrinkled as a California raisin
- B. As waxy as a statue from Ripley's Believe It or Not Museum
- C. Both of the above

7 The color of your hair was determined:

- A. At fertilization
- B. 3 months into the pregnancy
- C. Only your stylist knows for sure

Take this quick quiz to find out how much you really know . . .

1 You started swimming and doing back flips:

- A. When your mom was 6 months pregnant
- B. At 9 weeks
- C. At 8 months
- D. Forget the back flips, you can't even do a good belly-flop

2 If you kept growing all 9 months at the same rate as you grew during your first 2 months, you would have been born as big as:

- A. The Jolly Green Giant
- B. An M-1 Tank
- C. A pair of overfed elephants

3 By the time your mother was 8 weeks pregnant, you were:

- A. A tiny speck smaller than the period at the end of a sentence
- B. A miniature human with arms, legs and a heartbeat
- C. A ball of cells the size of a marble

Sure, you know about the birds and the bees. But do you know what happens after fertilization?

Do you know what you looked like two weeks into your mom's pregnancy?

Do you know the amazing facts about the first nine months of your life?

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What They Never Told You About the Facts of Life.

The Facts Ab Only the Be the Facts

Answers to Quiz Questions

- At nine weeks you can swim a mean backstroke. Your favorite technique was a little backwards walk, leading with your head.¹
- It's a good thing you slowed down after the second month, or your birth weight would have been 14 tons. Let Daddy try bouncing that on his knee!²
- Eight weeks after fertilization, all systems were go: skeletal, nervous, digestive, circulatory and respiratory. The only job left was to refine what you already had.³
- At only a couple of months you started to shake, rattle, and roll, but you were too little for mom to notice.⁴ By 4 or 5 months, however, she swore you had a black belt in Karate.⁵
- Not only does amniotic fluid make a cushy "water-bed," but it is also full of glucose (sugar). Swallowing the fluid was good practice for your digestive system.⁶
- About half way through the pregnancy, you had lots of nice skin but not much fat to fill it out. That's why premature babies look wrinkled – they need more "meat on their bones".⁷ The wax-works effect was caused by the vernix, a thick whitish cream which covered your skin to protect it from the amniotic fluid.⁸
- At fertilization, each parent contributed approximately 50,000 chemical "instruction sheets" (or genes)⁹ that determined not only what you will look like, but also your health, talents, tastes, athletic abilities, intelligence, allergies, and more.¹⁰
- You were either male or female from the point of fertilization, but it took about 60 days for parts to be recognizable. Thanks to modern science, parents can now see the sex of their unborn baby with the help of an ultrasound machine by about four months. At last, they can answer the age-old question: "What color should we paint the nursery?"¹¹
- A tobacco smoking mom sends nicotine, carbon monoxide, carbonic acid, and wood alcohol right down the line to her baby. Smoking two packs a day reduces a baby's birth weight by 10% which can seriously reduce the infant's chances of survival.¹²
- With modern technology, babies as young as 22 weeks after fertilization, weighing only 14 oz., have survived premature birth. You would need a lot of medical help, but would fight like a champion to hold on to life (Fertilization to birth is normally 38 weeks).¹³
- During your fourth month, you grew to the grand height of 6 inches and began to resemble your parents.¹⁴ At 11 weeks you had begun to develop unique trait that may interest the FBI someday—fingerprints. Nobody has had or will have the same set.¹⁵

*All prenatal data in this brochure is date from fertilization.

- Fertilization: sperm fertilizes egg
- Fertilized egg implants in lining of uterus¹⁷
- Mother mixes first menstrual cycle¹⁸
- Eyes developing¹⁹
- Foundation laid for brain and spinal cord²⁰
- Heart beats regularly (24 days)²¹
- Arm and leg buds appear²²
- Muscles forming²³
- 1/4 inch long (10,000 times larger than fertilized egg)²⁴
- Lungs forming²⁷
- Begins to move²⁸
- Skeleton formed²⁹
- Ears³¹ and earlobes formed³⁰
- Eyelids forming³²
- Responds to touch³³
- Fingers / toes defined³⁴
- Permanent fingerprints developing³⁵
- Sex identifiable³⁶
- 1 1/4 inch long³⁷
- Can suck thumb³⁸
- Begins to hiccup³⁹
- Eyelids can grasp object⁴⁰
- Baby moves vigorously⁴¹
- 3 inches long⁴²
- Looks like a tiny, human doll⁴³
- During 4th month may quadruple weight⁴⁴
- Grows from 4 inches at 13 weeks⁴⁵ to 6 inches at 16 weeks⁴⁶
- Downy hair covers body⁴⁷
- Mother feeds baby⁴⁸
- 5 months: weighs 1 lb⁴⁹
- 12 inches long⁵⁰
- May have chance to survive outside womb⁵¹
- Fingernails and toenails present⁵²
- Mother feeds baby⁵³
- 7 months: weighs 2 lbs⁵⁴
- Lungs continue to mature⁵⁵
- Fat deposits make skin smooth⁵⁶
- At the end of ninth month, baby weighs 7 1/4 lbs. and is 20 inches long⁵⁷

Month 1  5 Days	 21 Days	 28 Days	 48 Days	 56 Days	 12 Weeks	 16 Weeks	 6 Months	 8 Months	
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When your mother's egg cell was fertilized by your father's sperm cell, the 23 chromosomes and approximately 50,000 genes from *each* parent,²⁵ combined to determine all your physical characteristics: sex; facial features; body type; color of hair, eyes and skin. Even more amazing, intelligence and personality were already in place within your genetic code. At conception, you were already essentially and uniquely "you".²⁶

A wondrous and dynamic chain of events take place within the womb. In the brief span of two months, you progressed from a single cell to a tiny human with all organs present and functioning.⁴⁰ The rest of your time in the womb was devoted to refinement, growth, and practice. While still in the womb, you began to move,⁴² swallow and "breathe" amniotic fluid,⁴² react to stimuli, and generally prepare yourself for "life on the outside".⁴³

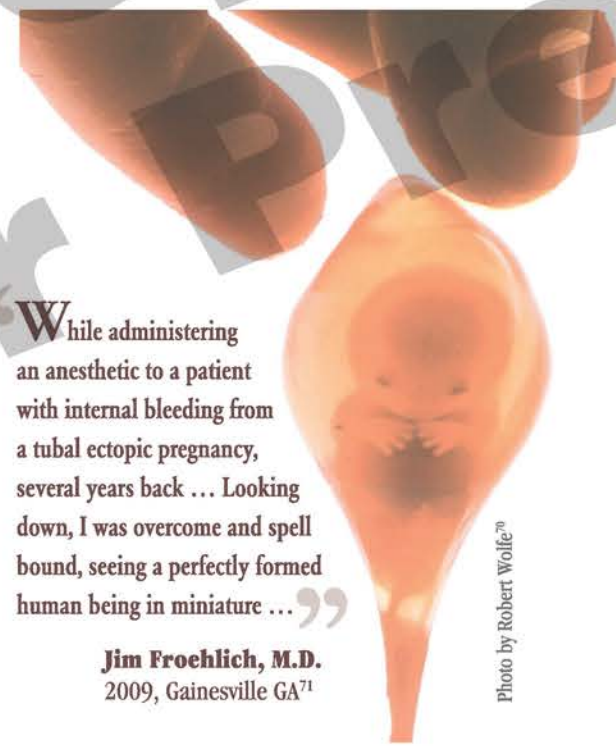
By twelve weeks, you were as cute as a button – with large eyes, a fine little nose, and a mouth.⁵¹ Since you were still small and not cramped for space, you had plenty of room to move. Even though your mother couldn't feel you yet, you were already practicing your gymnastics—somersaults, back flips and scissor kicks.⁵²

By the time your mom's pregnancy "showed," you were already fully formatted. Now all your tiny parts needed was time to grow and develop in preparation for birth.⁵⁷ There is evidence that the baby hears outside noise—music, traffic, TV, people talking, and, of course, the most familiar sound: mother's voice.⁵⁸

"Birth" isn't the beginning of development – in fact, you'll continue to develop until you reach the ancient age of approximately 25 years!⁶⁹

The Facts of Life.

7 week unborn baby in Amniotic Fluid with Amniotic Sac intact



While administering an anesthetic to a patient with internal bleeding from a tubal ectopic pregnancy, several years back ... Looking down, I was overcome and spell bound, seeing a perfectly formed human being in miniature ... ”

Jim Froehlich, M.D.
2009, Gainesville GA⁷¹

Photo by Robert Wolfe⁷⁰

Sperm entering eggs



It may take as much as 24 hours for a sperm to penetrate the egg's outer shell, reach the center of the egg and merge its chromosomes with those of the egg to form the new human.⁷²

5 Weeks



1/3 inch tall,⁷³ with a steadily beating heart,⁷⁴ a developing brain and nervous system.⁷⁷ *

7 Weeks



At two months, the baby has become sensitive and responds to touch.⁷⁶ *

7 Weeks



11 Weeks



Arms and hands develop earlier than legs and feet, but ⁸⁰ by two months the lines of palm and footprints are already engraved in the skin.⁸¹

8 Weeks



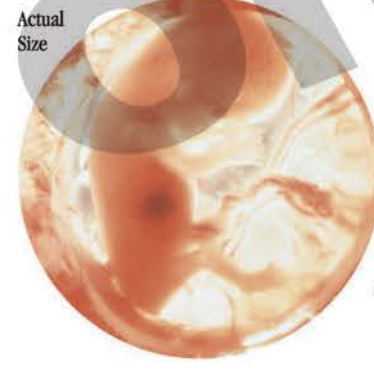
20 Weeks



Photos: Life Issues Institute

18 Weeks

Though still a lightweight at only 7 to 8 ounces (8 inches long),⁸² this baby is now complete, needing only nourishment, warmth and a chance to grow.⁸³ In fact, infants as young as 22 weeks have been able to survive premature birth.⁸⁴ Mom begins to feel fluttering kicks and movements from her little one now.⁸⁵ *



Actual Size

11 Weeks

Now about 2 1/2 inches long and at 1/2 oz. weighs as much as his first birthday card!⁷⁷ With his infant-like proportions and profile, this baby looks like a perfect miniature doll.⁷⁸ But, unlike any doll, this baby has become very expressive in the fetal period – wrinkling his forehead, turning his head, opening and closing his tiny lips.⁷⁹ *



*Photo Credits: Lennart Nilsson