

Exploring My DNA Worksheet

We recommend that you fill in the dates by hand in order to keep the information secure.
Use Google to find dates that go in the Date Column below.

	Date	Event
Beginning		Conception [3 minutes to 5 days after sex] (Google – “What is the date of 39 weeks before (date of your birthday).”
4 weeks		Central nervous system and heart begin to develop.
5 weeks		Heart begins to beat. (Google – “What is the date of 5 weeks after (the date of conception date above).”
6 weeks		Facial features begin to form.
8 weeks		Arms, legs, fingers, nose and upper lip begin to form.
9 weeks		Eyes begin to develop.
10 weeks		Fingernails and toenails begin to form. Brain, kidneys, intestines, and liver begin to function.
11 weeks		Bones begin to harden and genitalia developing.
14 weeks		Kidneys are producing urine; facial expressions detected.
15 weeks		Eyes detect light that filters in from outside womb.
16 weeks		External gender organs detectable.
19 weeks		Ears detect mother’s heartbeat and sounds outside her body.
23 weeks		Sense of movement has developed.
24 weeks		Taste buds developing; hair beginning to grow; brain growing very quickly (over 250,000 new neurons added per minute).
27 weeks		Lungs developing; sleeping and waking up at regular intervals; opening and closing eyes; sucking fingers.
28 weeks		May be dreaming; has eyelashes; eyesight is improving; brain now has billions of neurons.
32 weeks		Fingernails and toenails developed; starting to plump up.
34 weeks		Lungs and central nervous system continuing to develop; skin has become soft and smooth; body filling out.
39 weeks		Full-term; ready for life outside the womb as a social creature dependent on other humans for rest of life.

* To arrive at the more than 86 billion neurons that are the normal complement of a newborn baby, the brain must grow at the rate of about 250,000 nerve cells per minute, on average, throughout the course of pregnancy. [The Development and Shaping of the Brain - Discovering the Brain - NCBI Bookshelf \(nih.gov\)](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1252222/)