

Module 12 psych notes Cheat Sheet by t250971 via cheatography.com/51113/cs/14049/

Learn about Prenatal and Newborn Devlopment

Learn about prenatal and newborn development

- a) from conception to birth is about nine months
- b) a single fertilized egg cell (carries all genetic info needed) will turn into a baby
- c) during this time many positive/negative things can affect the child
- 12.1- trace physical development from conception through birth and identify influences on prenatal development
- 1) Fertilization, the Zygote, and Twinning
- a) egg (aka ovum) and sperm meet in process of fertilization
- b) resulting cell has 46 chromosomes and is called a zygote
- c) zygote divides (1,2,4,8,...) & each new cell also has 46 chromosomes b/c DNA molecules duplicate themselves before each division (called mitosis)
- d) normally produces baby, sometimes messes up and produces 2+
- e) 2 main types of twins: *monozygotic* identical; both come from one fertilized egg. *dizygotic* fraternal; two fertilized eggs (more likely in older women or those taking fertility drugs.
- f) very useful in Nature vs. Nurture debate research
- g) mass of cells might not completely split apart: which causes conjoined twins
- 2) The Three Stages of Development
- 2.1)The Germinal Period
- a) germinal period- first two weeks after fertilization, during which the zygote moves down to the uterus and begins to implant the lining
- b) during the germinal period, cells begin to differentiate (developing into specialized cells to become various cells (ex. skin, heart, ect...)
- c) btw- stem cells are super important
- 2.2) The Embryonic Period
- a) embryonic period the period from 2 to 8 weeks after fertilization, during which the major organs and structures of the organism develop.
- 2.3) The Fetal Period
- a) fetal period the time from about 8 weeks after conception until the birth of the child (now referred to asfetus).
- 12.2- Explain the role of sensitive and critical periods in development
- 1) Critical Periods
- a) critical periods- times during which certain environmental influences can have an impact on the development of an infant
- 2) Prenatal Hazards: Teratogens
- a) teratogen- any factor that can cause a birth defect.
- b) The most common teratogen is alcohol.
- c) Teratogens can cause fetal alcohol syndrome (fas), which is a series of mental and physical health defects.



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