Development Across the Lifespan

<u>Developmental psychology</u>: The scientific study of how humans change over the lifespan, from conception through infancy, childhood, adolescence, and adulthood (page 136).









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Interaction Between Three Areas of Development



growth of the body and changes in the brain, sensory and motor skills, and levels of hormones



Cognitive:

how our mental processes and abilities to think and communicate change over time

Socio-emotional:

changes in how we understand ourselves, interact with others, and experience and regulate emotions

FIGURE 4.1

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Together, nature and nurture influence growth in three developmental areas:

- physical
- socio-emotional, and
- cognitive (page 136)

<u>Teratogens</u>

Teratogen:

Environmental substances that can harm prenatal development (page 140). The impact of each teratogen depends on when exposure occurs, the amount of exposure, and how long it lasts during prenatal development (page 140).

Known teratogens include:



Exposure to radiation



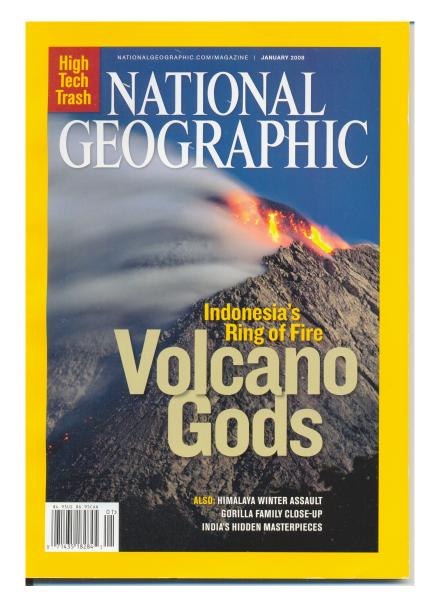
Heavy metals such as lead and mercury



- Drugs taken by the mother, such as alcohol, cocaine, and heroin.
- Nicotine
- Toxic industrial chemicals, such as PCBs
- Diseases, such as rubella, syphilis, genital herpes, and AIDS

If we don't know the causes of development problems,

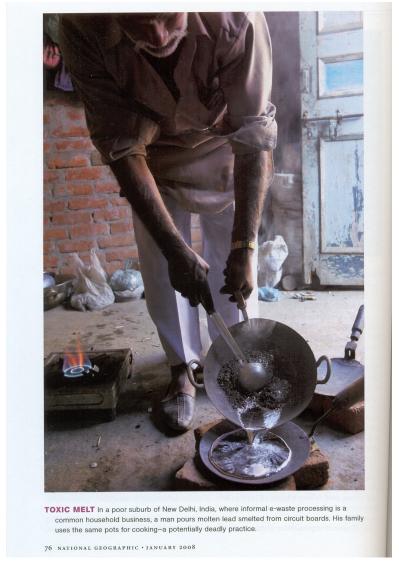
- We won't take the appropriate action
- We might take the wrong action that is not likely to be effective
 The placenta prevents many (but not all) dangerous substances from reaching the fetus.



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