

CD 1
Worksheet for Chapters 1,3 and 4

- 1) From a Piagetian perspective, what do the concepts of Assimilation and Accommodation mean and how do they relate to Adaptation and Equilibrium?

- 2) What are the differences between Piaget's Concrete and Formal Operations stages?

- 3) Ali is currently a fifth grader at Andrews Middle School in Medford, MA. In addition to attending school, he also plays soccer in a local soccer league, plays viola, and goes to the local mosque with his family. His mother is a bank executive, and father is a writer and works from home. Ali goes home after school (or practice) each day and his dad takes care of him. From Bronfenbrenner's perspective, what is the developmental context that Ali is living in (what are the systems)? Be sure to specify which elements in the description belong where (perhaps draw a picture). (*This is a made-up example!*)

- 4) Define genotype and phenotype.

- 5) George's dad has brown eyes (Bb) and his mom has brown eyes (Bb). They were sure George would also have brown eyes, but he has blue eyes. What is his genotype and what is his phenotype? Explain.

- 6) Why are males more susceptible to certain genetic defects than females?

- 7) I have a twin, but he looks nothing like me. What's up with that?
- 8) Name and describe two specific genetic abnormalities.
- 9) What is genetic codominance and when can it be beneficial?
- 10) The TA who wrote this discussion sheet originally listed the order of prenatal development as beginning with the period of the fetus period, then moving to the period of the zygote, and ending with the period of the embryo. When she realized her mistake, she quickly corrected the error and reposted the discussion sheet to Blackboard. What is the correct order of the prenatal development periods? Briefly describe the development that occurs in each period.
- 11) A new couple excitedly discovers, after trying for 2 months, that they (well, the wife) are pregnant. Money is tight, so the couple moves into a less-expensive apartment. The money saved on rent allows the woman to eat a more nutritious diet than she previously did. The woman, however, is not comfortable in this part of the city, and is generally anxious about leaving the apartment to go to work. What are the positive and negative effects that this new arrangement may have on the baby-to-be?
- 12) Pollution, such as mercury, is a category of teratogens. What, exactly, is a teratogen? What are some other categories of teratogens listed in the text?

- 13) Kevin was born in the 31th week of pregnancy and he was considered a preterm baby. What is the range of gestational ages for a normal child? What are two risks that faced preterm-baby Kevin? What would his APGAR score likely have been?
- 14) Provide an example of classical conditioning, of operant conditioning, and habituation/recovery in young infants. Why is each type of learning useful? Cite differences between operant conditioning and habituation findings on infant memory.
- 15) Provide several examples of how motor development influences infants' social experiences. How do social experiences, in turn, influence motor development?
- 16) Roseanne hung mobiles and pictures above her newborn baby's crib, hoping that this would stimulate her infant's motor development. Is Roseanne doing the right thing? Why or why not?
- 17) What implications do findings on children from Eastern European orphanages have for the controversy over the lasting impact of early experiences on development?