1) The three distinct layers of cells formed by the embryo within 2 weeks of conception are the __________________, the __________________ and the ___________________. (3 pts)

2) ________________ is the guidance of axon growth by chemical signals. (1 pt)

3) ________________ is a neural tube deficit caused by the failure of the neural folds to close. (1pt)

4) How many layers of cells does the mammalian cerebral cortex have? _____ (1pt)

5) The ___________ extend from the ____________ to guide the developing axon towards its proper destination. (1 pt)
   a. growth cones, axon  
   b. filopodia, growth cone  
   c. growth cones, synapse  
   d. filopodia, axon

6) Which of the following is referred to as ‘programmed cell death’: (1 pt)
   a. Necrosis  
   b. Apoptosis  
   c. Differentiation  
   d. Disgenesis

7) Please describe the behavioral and physical deficits associated with Fetal Alcohol Syndrome. (2pts)

Extra Credit: Around what age do the symptoms of Huntington’s Disease first appear?