

**HUMAN ANATOMY & PHYSIOLOGY II LAB – CAHS 123**  
**Key Points**

**Lab # 12**

**EXERCISE #44 –Survey of Embryonic Development**

- Know STAGES of development
  - Fertilization (Zygote)
  - Cleavage (week 1)
  - Morula, Blastula, Blastocyst
  - Implantation and Gastrulation (week 2-3) – trophoblast & ICM
  - Embryo
  - Neurulation (week 3-4)
  - Neurula
  - Growth, Differentiation, Morphogenesis of embryo (weeks 4-8)
  - Fetus
  - Growth (weeks 9-40)
  - Birth
- Know PROCESSES of development
  - Cell division
  - Specialization/Differentiation
  - Morphogenesis (formation of functional organs)

**Recall MOVIE – Embryonic Development**

- Understand: cloning, cancer, model systems, twins, extraembryonic membranes

**Homework: Review Sheet #44**

Omit “Gross and Microscopic Anatomy of Placenta”