

Reproductive Project

Using the following websites as a starting point, create a Google Doc of the information on reproduction.

<http://embryo.soad.umich.edu/>

<http://www.visembryo.com/baby/index.html>

1. Explain the difference between spermatogenesis and oogenesis.
2. Summarize the steps of fertilization.
3. Briefly describe the time period between a zygote and blastocyst.
4. Explain implantation.
5. What is the structure of the sac around the developing embryo?
6. What is the structure and function of the placenta?
7. What is the structure and function of the umbilical cord?
8. Pick 2 disorders and describe what causes it/how it is inherited, symptoms, treatment (if any)/life expectancy, when does it develop, and at least one picture
 - a. Trisomy 18 – Edwards Syndrome
 - b. Trisomy 13 – Patau Syndrome
 - c. Huntington’s disease
 - d. Cri du chat
 - e. Cystic fibrosis
 - f. Hemophilia
 - g. Duchenne Muscular Dystrophy
 - h. Autosomal dominant polycystic kidney disease
 - i. Fragile X Syndrome
 - j. Klinefelter Syndrome
 - k. Phenylketonuria
 - l. Progeria
 - m. Turner Syndrome
 - n. Tay-Sachs
 - o. Thalassemia
9. Pick 2 cancers related to the reproductive system (one male and one female) and describe what causes it/how it is inherited, symptoms, treatment (if any)/life expectancy, when does it develop, and at least one picture
10. Recreate the chart given to you about prenatal development on a separate sheet of paper. Include definitions/pictures of each of the major developments. Include when the beginning and completion of each part occurs.