BIOLOGICAL BEGINNINGS and

VIDEO GUIDE for “LIFE’S GREATEST MIRACLE”

1. What is DNA? What are genes?
2. What is meiosis? How is it different from mitosis? How many chromosomes result from each?
3. Where does fertilization take place?
4. How long after fertilization does implantation take place? What is the fertilized egg called at that point and what is happening to it?
5. What are some reasons for the increase in multiple births in recent years?
6. What causes “identical twins”? What is another name for them?
7. What is a “teratogen” and what are some teratogens to which the developing individual may be exposed?
8. What nutrient is needed to prevent neural tube disorders. Give an example of one such disorder.
9. What/who determines the sex of an individual?
10. What genetic abnormality is responsible for the cluster of physical and behavioral traits known as “Down Syndrome”?
11. What test may be done to determine if there is a genetic abnormality such as Down Syndrome?
12. What is genetic counseling?
13. What are the three periods of prenatal development? Are these the same as three trimesters?
14. What are the three stages of childbirth? What occurs at each stage?