Conception to Birth Study Questions
Dr. J. Lim

1. An oocyte (egg) and sperm cell merge to form a fertilized ovum called a __________________ containing ______ chromosomes.
2. In which layer of the uterus does implantation occur? ___________________
3. This hormone is produced by the placenta, maintains the corpus luteum, and is detected in over-the-counter pregnancy tests. _____________________________
4. Fraternal twins are the result of the merging of _____ egg(s) and _____ sperm.
5. Identical twins are the result of the merging of _____ egg(s) and _____ sperm.
6. The ________________ connects the baby with the placenta.
7. Fertilization normally occurs within which part of the female reproductive duct system? ________________
8. A vasectomy is easily reversible. T or F
9. An egg is viable (able to be fertilized) for _________ hours following ovulation.
10. The actual time of ovulation can be quite difficult to determine. T or F
11. The area of attachment between the developing embryo and the mother is the ___________________________.
12. ATP is required for oxygen and nutrients to pass from mother to baby and waste to move from baby to mother. T or F
13. Labor involves peristaltic contractions of the ___________________ of the uterus.
14. The embryonic stage begins at __________ and ends at _____ weeks.
15. The fetal stage begins at __________ weeks and ends at ____________ weeks.
16. Heart beat is first detectable at around _____ days after fertilization.
17. The sex of the fetus is detectable by around ______ weeks after fertilization.
18. How do birth control pills and other hormonal methods work?
19. RU-486 ends the life of the developing unborn by blocking the action of ________________ which causes the ___________________ to breakdown.
20. The most commonly performed abortion procedure uses a _________________ to remove the placenta and fetus from the uterus in parts.
21. A zygote is about the size of a grain of __________.
22. Another name for the partial birth abortion procedure is ___________________ and _____________________.
23. The hormone from the posterior pituitary gland that stimulates smooth muscle contractions in the uterus is called ____________________.
24. Uterine contractions during labor are an example of ________________ feedback.
25. The average duration of gestation is __________ weeks.
26. Which form of birth control is effective 100% of the time? __________________
27. The peak years of fertility are between ages _____ and _____.
28. The transparent sac holding the fetus suspended in fluid us the ________________.
29. The gestation period is measured from the first day of the last _______________
30. The oocyte (egg) and sperm each have _____ chromosomes.
Conception to Birth Study Questions KEY
Dr. J. Lim

1. An oocyte (egg) and sperm cell merge to form a fertilized ovum called a **zygote** containing **46** chromosomes.
2. In which layer of the uterus does implantation occur? **endometrium**
3. This hormone is produced by the placenta, maintains the corpus luteum, and is detected in over-the-counter pregnancy tests. **human chorionic gonadotropin (hCG)**
4. Fraternal twins are the result of the merging of **two** eggs and **two** sperm.
5. Identical twins are the result of the merging of **one** egg and **one** sperm.
6. The **umbilical cord** connects the baby with the placenta.
7. Fertilization normally occurs within which part of the female reproductive duct system? **Fallopian (uterine) tube**
8. A vasectomy is easily reversible. **False**
9. An egg is viable (able to be fertilized) for **12 to 24** hours following ovulation.
10. The actual time of ovulation can be quite difficult to determine. **True**
11. The area of attachment between the developing embryo and the mother is the **placenta**.
12. ATP is required for oxygen and nutrients to pass from mother to baby and waste to move from baby to mother. **False**
13. Labor involves peristaltic contractions of the **myometrium** of the uterus.
14. The embryonic stage begins at **conception** and ends at **eight** weeks.
15. The fetal stage begins at **eight** weeks and ends at **birth**.
16. Heart beat is first detectable at around **21** days after fertilization.
17. The sex of the fetus is detectable by around **12** weeks after fertilization.
18. How do birth control pills and other hormonal methods work?
   Mimics pregnancy to lower FSH and LH secretion from the anterior pituitary gland by negative feedback. Blocks follicle development and ovulation
19. RU-486 ends the life of the developing unborn by blocking the action of **progesterone** which causes the **endometrium** to breakdown.
20. The most commonly performed abortion procedure uses a **suction device** to remove the placenta and fetus from the uterus in parts.
21. A zygote is about the size of a grain of **salt**.
22. Another name for the partial birth abortion procedure is **dilation and extraction**.
23. The hormone from the posterior pituitary gland that stimulates smooth muscle contractions in the uterus is called **oxytocin**.
24. Uterine contractions during labor are an example of **positive** feedback.
25. The average duration of gestation is **38 to 40** weeks.
26. Which form of birth control is effective 100% of the time? **abstinence**
27. The peak years of fertility are between ages **18** and **25**.
28. The transparent sac holding the fetus suspended in fluid is the **amnion**.
29. The gestation period is measured from the first day of the last **menstrual period**.
30. The oocyte (egg) and sperm each have **23** chromosomes.