

SUPPLEMENTAL INSTRUCTION FOR SURVEY OF BIOLOGY by Richard X. Thripp

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- 1.) Sperm cells are made in the _____ tubules, which are part of the testes. This is called _____ genesis. The testes are in the scrotum a.k.a. gonads.
- 2.) Sperm cells are stored and matured in the _____.
- 3.) The _____ contributes alkali to semen to neutralize the vagina's _____ pH.
- 4.) _____'s gland produces lubricating fluid before ejaculation.
- 5.) Seminal _____ feed sugar to the sperm (“last-bag lunch”).
- 6.) Semen exits via the _____ during ejaculation (sterilization = vasectomy).
- 7.) In men, the _____ (starts with “u”) serves both urination and ejaculation.
- 8.) During sexual intercourse sperm enters the _____ (birth canal).
- 9.) The _____ is the narrow neck at the end of the vagina / beginning of uterus.
- 10.) The site where a fertilized egg grows into a baby is the _____ (starts with “u”).
- 11.) Fertilization of the woman's ovum (egg) takes place in the _____ tube a.k.a. _____ (sterilization = tubal ligation).
- 12.) The ovaries release an egg during _____. This is called ____ genesis.
- 13.) A _____ grows in the ovary, which ruptures to release an egg during [Ans. 12].
- 14.) The [Ans. 13] then becomes the _____ (body yellow), which secretes _____ and _____ (P&E) to stop more eggs from being released.
- 15.) The ovarian cycle begins with an increase in _____-stimulating hormone (FSH) and _____ hormone (LH).
- 16.) If the egg is unfertilized, _____ begins with the loss of the _____ of the uterus, and the rest of the cycle rebuilds it.
- 17.) A sperm cell has 3 parts:

- 1.) a head with chromosomes and an _____, a modified lysosome with digestive enzymes to eat through the jellylike layer around the ovum.
- 2.) The middle piece with _____ to make ATP for energy.
- 3.) The tail with a _____ for movement.
- 18.) The _____ pill uses synthetic P&E to prevent ovulation.
- 19.) A _____ is the cutting and tying of the vas deferens, sterilizing the man.
- 20.) A tubal _____ is the cutting and tying of the oviducts, sterilizing the woman.
- 21.) The _____ method is avoiding sexual intercourse during ovulation.
- 22.) The _____ method (coitus interruptus) is when the man pulls out before ejaculating. Warning: this is hard to do and pre-ejaculate from Cowper's gland contains sperm.
- 23.) A _____ (male) is a plastic sheath that covers the erect penis to catch semen, preventing it from entering the vagina.
- 24.) A _____ is a dome-shaped bowl made of thin, flexible rubber that sits over the cervix, blocking semen. It is normally coated with _____ to kill sperm.
- 25.) _____ is not completed until fertilization ($23 + 23 = 46$ chroms. in humans).
- 26.) What three STDs are bacterial and thus curable by antibiotics? _____ infections, _____ ("g"), and _____ (chancres, fatal if untreated).
- 27.) What three diseases are viral and thus **incurable**? Genital _____, genital _____ (papillomaviruses), and _____ infection (human immunodeficiency → AIDS).
- 28.) Trichomoniasis ("trich," vaginitis) is a _____ infection.
- 29.) A _____ infection (candidiasis) is a fungal infection common in women, frequently acquired without sex. Treatment is _____ chemicals.
- 30.) _____ reproduction is good for stable environments. It involves budding or fragmentation and regeneration (starfish, cacti, sponges).
- 31.) A _____ has both male and female sexual organs.