

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Directions:** Match each term to the correct definition!

1. \_\_\_\_\_ **Histology**

2. \_\_\_\_\_ **Fertility**

3. \_\_\_\_\_ **Estrogen**

4. \_\_\_\_\_ **Fertilization**

5. \_\_\_\_\_ **Follicle**

6. \_\_\_\_\_ **Biocompatibility**

7. \_\_\_\_\_ **Bioreactor**

8. \_\_\_\_\_ **Corpus Luteum**

9. \_\_\_\_\_ **Endometriosis**

10. \_\_\_\_\_ **Corpus Albicans**

11. \_\_\_\_\_ **Chemotherapy**

12. \_\_\_\_\_ **Decellularization**

13. \_\_\_\_\_ **Reproductive System**

14. \_\_\_\_\_ **Tertiary Follicle**

**A.** The property of a material being compatible with tissue

**B.** Chamber for cells to grow in

**C.** Drug treatment with chemicals to kill fast-growing cells

**D.** Stage where the corpus luteum is degrading, LH levels fall

**E.** The remainder of the follicle structure – maintains high progesterone levels

**F.** Stripping the cells off of the extracellular matrix (ECM)

**G.** Condition where uterine tissue grows outside the uterus

**H.** Signals the buildup on the uterine lining; a surge in this leads to ovulation

**I.** The ability to produce offspring

**J.** Union of a sperm and an egg

**K.** An ovum and the cells around it

**L.** Study of cells microscopically

**M.** Process of ovulation and menstruation; broken into three phases

**N.** The cell that develops into an egg

Artificial Ovaries - Vocab Quiz (Whole Module)

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|---|--|
| 15. _____ <b>Primary Follicle</b>               | <b>O.</b> A female reproductive organ that is responsible for producing and releasing eggs, estrogen, and progesterone       |
| 16. _____ <b>Secondary Follicle</b>             | <b>P.</b> The release of an egg from the ovary   |
| 17. _____ <b>Oocyte</b>                         | <b>Q.</b> A mature egg   |
| 18. _____ <b>Tissue Engineering</b>             | <b>R.</b> A condition where follicular growth is arrested, and the developing follicle turns into a large fibrotic 'cyst'    |
| 19. _____ <b>Ovaries</b>                        | <b>S.</b> The beginning stage of the menstrual cycle for the egg   |
| 20. _____ <b>Scaffold</b>                       | <b>T.</b> The dormant egg cells and the granulosa cells around them  |
| 21. _____ <b>Polycystic Ovary System (PCOS)</b> | <b>U.</b> A hormone released by the ovary (corpus luteum) that maintains the uterine lining in preparation for fertilization |
| 22. _____ <b>Ovum</b>                           | <b>V.</b> Using higher energy waves to kill cancer cells   |
| 23. _____ <b>Menstrual Cycle</b>                | <b>W.</b> All organs involved in sexual reproduction   |
| 24. _____ <b>Primordial Follicle</b>            | <b>X.</b> A structure where cells can grow   |
| 25. _____ <b>Ovulation</b>                      | <b>Y.</b> In this stage the antrum begins to form  |
| 26. _____ <b>Radiation</b>                      | <b>Z.</b> In this stage, the zona granulosa separates from the corona radiata  |
| 27. _____ <b>Progesterone</b>                   | <b>AA.</b> Combining scaffolds, cells, and other biologically active molecules into functional tissues                       |