**KEY:** Quiz 7: Male and Female Reproductive System; Review of Respiratory and Digestive Systems

1) The organs that produce male gametes are called \_\_\_\_\_\_\_\_\_\_\_\_. **TESTES**

2) Which of the following does not contribute to the production of seminal fluid?

a. seminal vesicles

**b. ejaculatory duct**

c. prostate gland

d. bulbourethral (Cowper's) gland

3) The process of sperm production is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_. **SPERMATOGENESIS**

4) The ductus epididymis, ductus deferens (vas deferens), ejaculatory duct and urethra all play a part in transporting \_\_\_\_\_\_\_\_\_\_\_\_\_\_ throughout the male reproductive tract. **SPERMATOZOA (SPERM). SEMEN FOR 1/2 CREDIT.**

5) Female gametes are produced in \_\_\_\_\_\_\_\_\_\_\_\_\_\_. **OVARIES**

6) The union of the ovum and sperm produces a \_\_\_\_\_\_\_\_\_\_\_. **ZYGOTE**

7) Oogenesis, the development of the ovum, occurs in the ovarian \_\_\_\_\_\_\_\_\_\_\_\_\_\_. **FOLLICLE**

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REVIEW: (EXERCISES 6, 7, 8)

\*8) The alveoli are sites of \_\_\_\_\_\_\_\_\_\_\_\_ exchange. **GAS**

\*9) What is the specific role of the cilia and goblet cells in the functioning of the tracheal epithelium?

**Cilia sweep debris out of the respiratory tract, and goblet cells secrete mucus.**

**\***10) Please refer to the image projected at the front of the class to answer the following two questions:

a. What is the structure labeled with a RED line? **BRONCHUS**

b. What is the structure labeled with a BLUE line? **ALVEOLUS (ALVEOLI)**

\*11) Please refer to the image projected at the front of the class to answer the following question:

Within the *ciliated columnar epithelium* shown, what is the name of the cells labeled with black lines?

**GOBLET CELLS**

12) Deep hyperventilation can result in an INCREASE/DECREASE (choose one) in plasma CO2 levels, which will ultimately DELAY/EXPEDITE (choose one) a gasp reflex. **DECREASE, DELAY**

13) During *inhalation,* the diaphram CONTRACTS/RELAXES (choose one) to cause an INCREASE/DECREASE (choose one) in the volume of the thoracic cavity. **CONTRACTS, INCREASE**

14) Within what organ would one find a *portal triad?* **LIVER**

15) Please refer to the image projected at the front of the class and identify the layers:

**A. MUCOSA**  **B. SUBMUCOSA**