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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Ventilation- Perfusion Coupling

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| **Across**  **3.** breathing  **5.** space in respiratory system in which air does not undergo significant gaseous exchange  **7.** less blood flow to lungs or increase in ventialtion  **9.** low levels of oxygen in the blood  **11.** the pulmonary arterioles serving those alveoli \_\_\_\_ in low V/ high Q  **13.** more blood flow to the lungs or decrease in ventilation  **15.** another word for mismatching  **17.** amount of blood passing thru lungs every minute  **18.** low levels of oxygen in tissues  **19.** a blood clot in the lungs which usually begins as a clot in the legs which breaks off and travels to the lungs  **20.** excess fluid in the lungs | **Down**  **1.** foreign body in the lungs  **2.** in low V and high Q bronchioles will \_\_\_\_\_\_.  **4.** combo of bronchospasm, mucus plugs, inflammation, and airway obstruction  **6.** Po2 controls perfusion by altering WHAT diameter  **8.** amount of oxygen passing thru lung every minute  **10.** damage to alveoli, results in air becoming trapped causing to expand and rupture  **12.** Pco2 controls ventilation by changing WHAT diameter  **14.** V/Q mismatching is a symptom of \_\_\_\_\_\_\_\_  **16.** blood flow |