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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  |