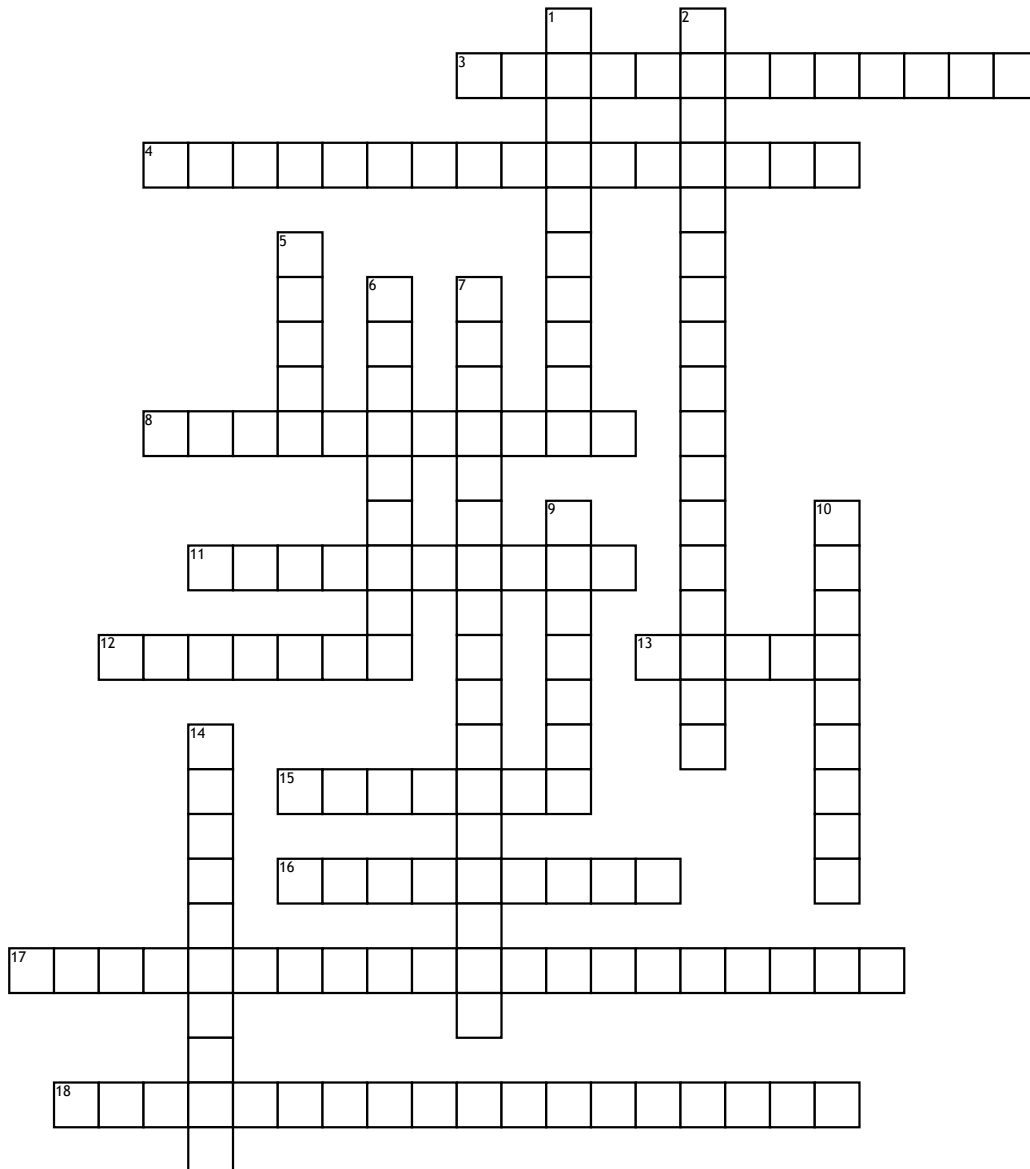


# gas exchange and smoking vocab



## Across

3. found in the alveolar walls which stretch during inspiration and recoil during expiration to help force out air

4. the phase when the heart pumps blood into the aorta; max pressure created by the heart

8. small terminal branch of a bronchus

11. a mucous secreting cell of the ciliated epithelium

12. tube connecting the bronchi to the pharynx at the rear of the mouth, windpipe

13. each of the pair of organs situated within the thoracic cavity surrounds the pleural membranes.

15. tubes connecting the trachea to the lungs

16. smooth connective tissue in the trachea and bronchi that keeps airways open and air resistance low; prevent collapsing

17. heart attack due to blocked arteries

18. area where oxygen from the external environment can diffuse into the body and carbon dioxide can diffuse out

## Down

1. phagocytic white blood cell that are the main detritus collecting cells of the body

2. the resting period when the heart refills with blood, lowest pressure

5. substance secreted by the goblet cells which traps large particles on the nasal passages' linings

6. a condition in which the air sacs of the lungs are damaged and enlarged, causing breathlessness; caused by smoking

7. infection in the lungs, the linings become inflamed and this further narrows the airways; have a severe cough

9. gas exchange surface in humans; collectively they have a large surface area

10. rate at which the heart beats

14. carcinogens that cause mutations of epithelial cells that produce uncontrolled growth that lead to a tumor