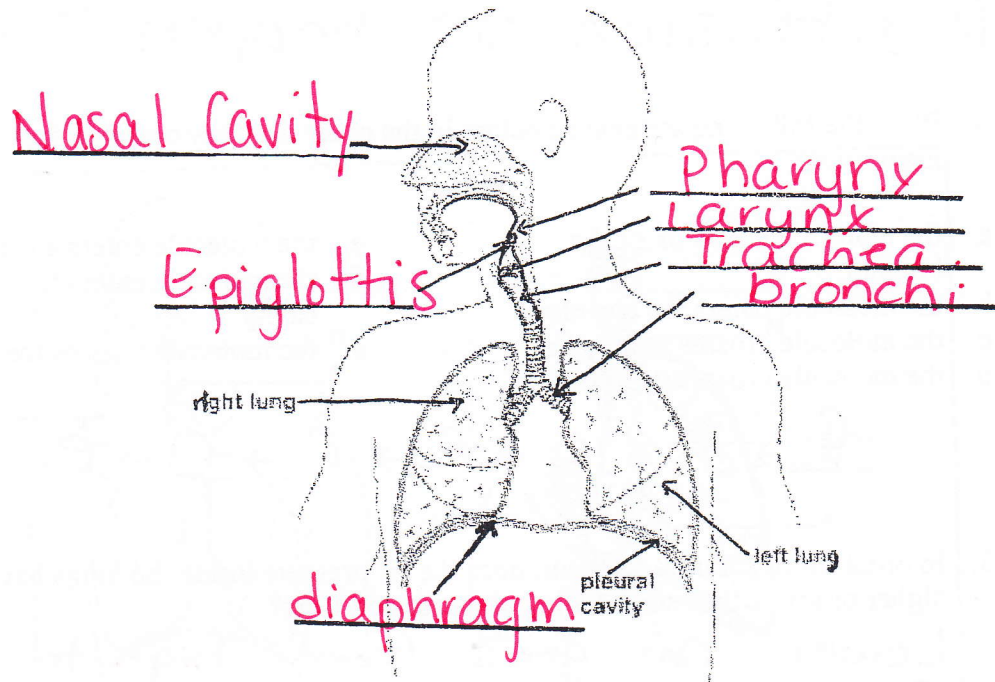


Name: \_\_\_\_\_

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

### Respiratory System Review

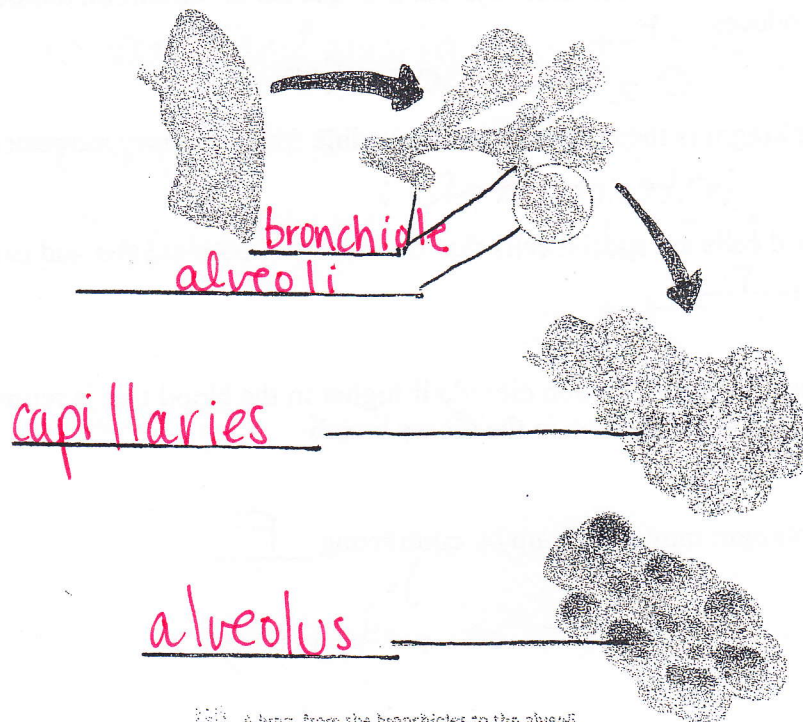
1. Label the diagram below:



2. Below is a diagram of a lung and its components. Label the diagram using the following words:

Cluster of Alveoli  
Capillaries

Alveolus  
Bronchiole



A lung, from the bronchioles to the alveoli

3. The alveoli have two characteristics that allow for gas exchange. What are they and what gases are exchanged?

① Semi-permeable

② diffusion can happen ( $O_2 + CO_2$ )

4. Place the following statements below in the order that they occur during inspiration:

- |   |   |
|---|---|
| a. the molecule enters one of the bronchi | e. the molecule enters a bronchiole     |
| b. the molecule enters the alveolus       | f. the molecule enters the nasal cavity |
| c. the molecule crosses the trachea       | g. the molecule crosses the larynx      |
| d. the molecule crosses the pharynx       |   |

f → d → g → c → a → e → b

5. In order for inspiration to occur, does the air pressure inside the lungs have to be higher or lower than surrounding air pressure? Why?

Lower - air goes from high to low pressure, pressure in lungs is lower so air can enter.

6. Are the following statements true or false? If they are false, correct them.

- a) the only role of the circulatory system is to get rid of the carbon dioxide that our body produces F

$O_2$  comes in

- b) The diaphragm is the only muscle responsible for respiratory movements F

intercostal.

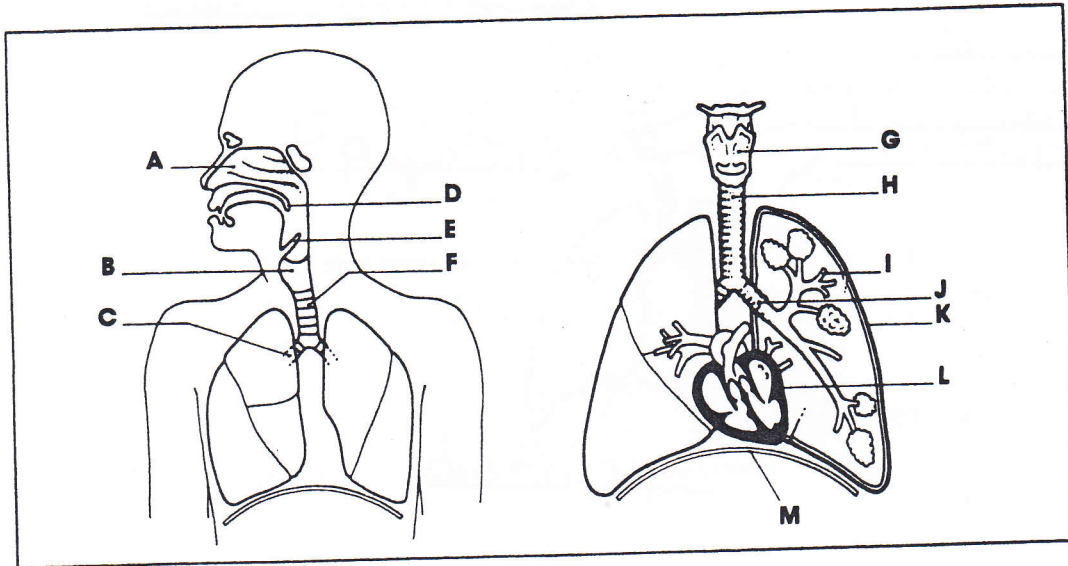
- c) Red blood cells are special cells that can transport both oxygen and carbon dioxide T

- d) The concentration of carbon dioxide is higher in the blood that is returning to the alveoli from the body than in the air we breathe T

- e) The diaphragm moves back up by contracting F

↓  
relaxing

7. Label the diagram of the respiratory system below. (5 marks)



A - Nasal Cavity

B - Larynx

C - bronchi

D - pharynx/uvula.

E - Epiglottis

F - Trachea

G - Larynx.

H - Trachea

I - bronchioles

J = bronchi

K - lung

L - heart

M - diaphragm