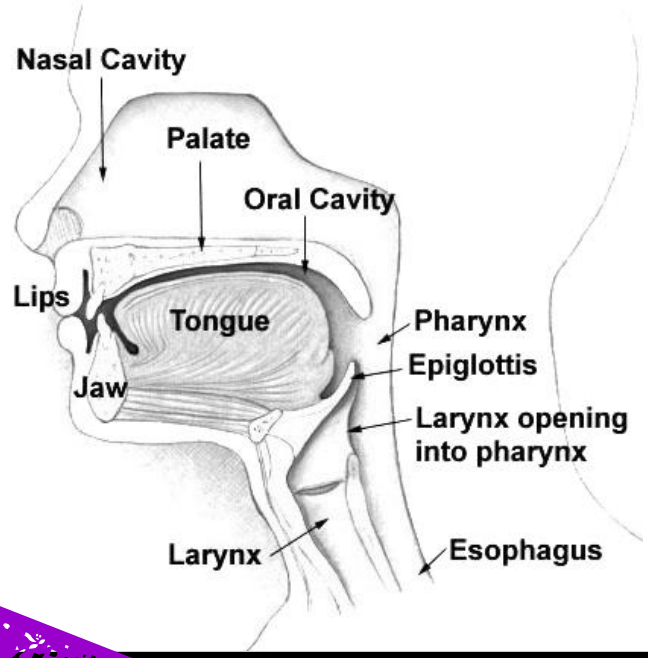
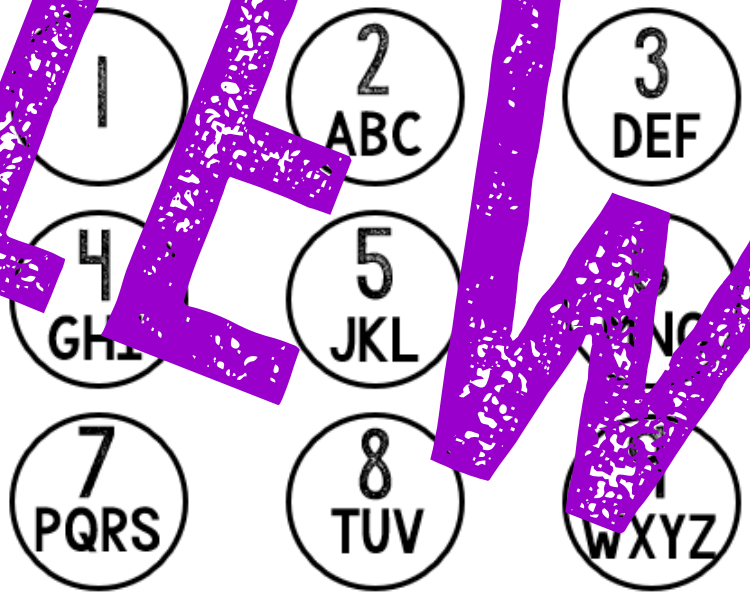
READING #2

Inspiration is the inhaling of air while expiration is exhaling. An average person inhales and exhales air over 20,000 times a day. Newborn babies breathe up to 44 times per minute. Adults breathe, on average, 16 times a minute. When sleeping, adults breathe 6 to 8 times per minute.

Air enters the body in two ways; the nose and the mouth, both being part of the upper respiratory tract. Air that enters through the nose goes through the nasal cavity, a space located behind the nose. In the nose, tiny hairs called cilia filter out mucus or dirt in the air. Air that enters through the mouth goes to the pharynx which is located at the upper part of the throat. Air from the nasal cavity travels to the pharynx as well. Here there are two pathways: the esophagus carries food to the stomach or the trachea (windpipe) carries air to the lungs.



DECODER

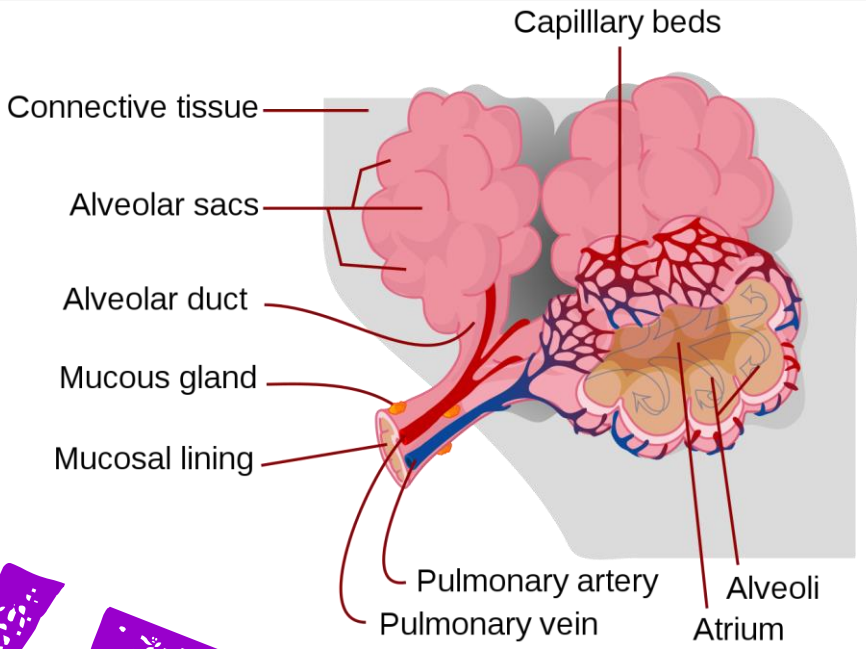


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PREVIEW

READING #3

From the pharynx to the trachea, the wi[illegible]hen filters the temperature of th[illegible]ir. Th[illegible]ra[illegible] is covered by a tiny flap o[illegible]issue [illegible]lle[illegible]e e[illegible]lottis which [illegible]ood and liq[illegible]s fr[illegible]ering the [illegible]rynx or ph[illegible]ynx. A[illegible]e [illegible]d of the trachea ar[illegible]ive main tub[illegible] called bro[illegible]hi. Each one [illegible]ad[illegible]o a lung. The bronchi continue [illegible] br[illegible]ch out [illegible]de into smaller and sm[illegible]ler b[illegible]nches or tube[illegible] called bronchioles. A[illegible]li are tiny air [illegible] at the end of these bron[illegible]ioles. Her[illegible]ses are exchanged. Alveoli, bronchioles, [illegible] bronchi make up the bronchial tree. There are over 600 million alveoli and each one has blood vessels called capillaries. By now, the air reaches the lungs. The lungs protect their shape with pleura, a thin lining. The pleura separate the lungs from the chest wall.



DECODER



Example: 3-7 = M

Example: 14 = R

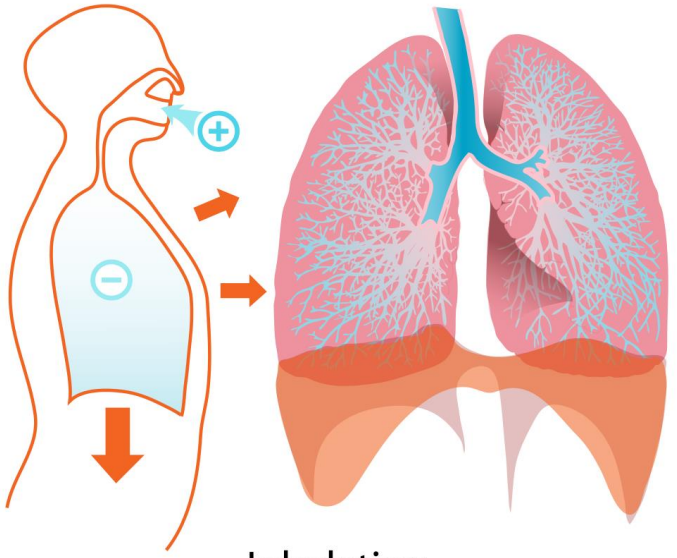
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PREVIEW

READING #4

Every time a person breathes in, the diaphragm flattens. The dome-shaped diaphragm located under the lungs, controls breathing and separates the chest cavity from abdominal cavities. When a breath is taken, the brain sends signals to the diaphragm telling it to flatten. This gives the lungs above room to expand (grow larger) and fill with air. The brain also sends signals to the muscles around the ribs telling them to move, giving the lungs more space as well. Human lungs have five lobes, three lobes are located in the right lung and two are located in the left lung. The left lung is smaller to allow space for the heart. The lungs are protected by 12 sets of ribs called the rib cage.

During inspiration, lung volume increases and during expiration, lung volume decreases.



Inhalation

DECODER



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PREVIEW

READING 4

7. The lungs are protected by ___ sets of ribs called the rib cage.

A. 8
B. 12
C. 18
D.

8. Human lungs have ___ lobes.

A. 3
B. 5
C. 7
D. 9

Your lungs can get rid of foreign substances...

YB XLFTSRMT ZMW

HMVVARMT

READING 5

...d in th... capillaries takes ... oxygen ... from the air in the ___.

A. Alveoli
B. Cilia
C. Nasal c... y
D. Pleura

Ox... in ... bloodstream ge... picked up by th... ___ ...d blood cells.

A. Bronchi
B. ...
C. Plasma
D. Hemoglobin

The average time an adult can hold their breath is between...

>∩ΓΓ·>< _|⊡⊐

V...><...V⊐L⊏⊡⊐V

READING 6

11. Experts who diagnose and treat breathing issues are called ___.

A. Podiatrists
B. Cardiologists
C. Pulmonologists
D. None of the above

12. Over ___ viru... can cause the com... cold.

A. 200
B. 400
C. 600
D. 800

The ... unt of ai... adult can hol... their lungs is...

...2433424 ...43

5442... 1342...

Answer the final two questions based on the puzzles you decoded.

How can the lungs get rid of foreign substances?

What percent of breathing is controlled by the diaphragm?

PREVIEW

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SECURITY CLEARANCE: LEVEL 5

LEAD DETECTIVE



AGENT NAME:

CODENAME:

BADGE #:

PRECINCT 5005

SECURITY CLEARANCE: LEVEL 5

LEAD DETECTIVE

AGENT NAME:

CODENAME:

BADGE #:

PRECINCT 5005

SECURITY CLEARANCE: LEVEL 5

LEAD DETECTIVE

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SECURITY CLEARANCE: LEVEL 5

LEAD DETECTIVE

AGENT NAME:

CODENAME:

BADGE #:

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LEAD DETECTIVE

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BADGE #:

PRECINCT 5005

SECURITY CLEARANCE: LEVEL 5

LEAD DETECTIVE

AGENT NAME:

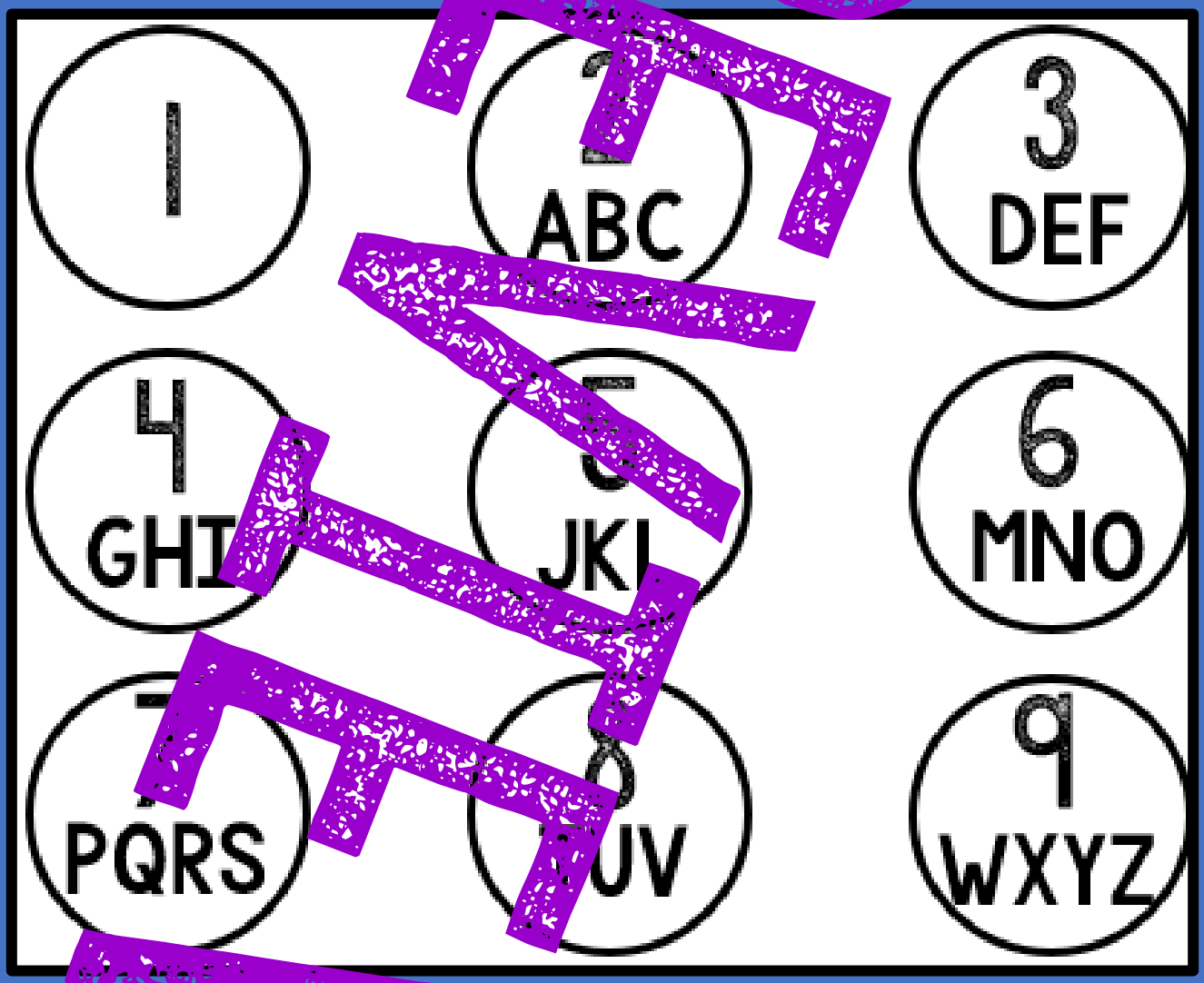
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BADGE #:

PRECINCT 5005

SAMPLE

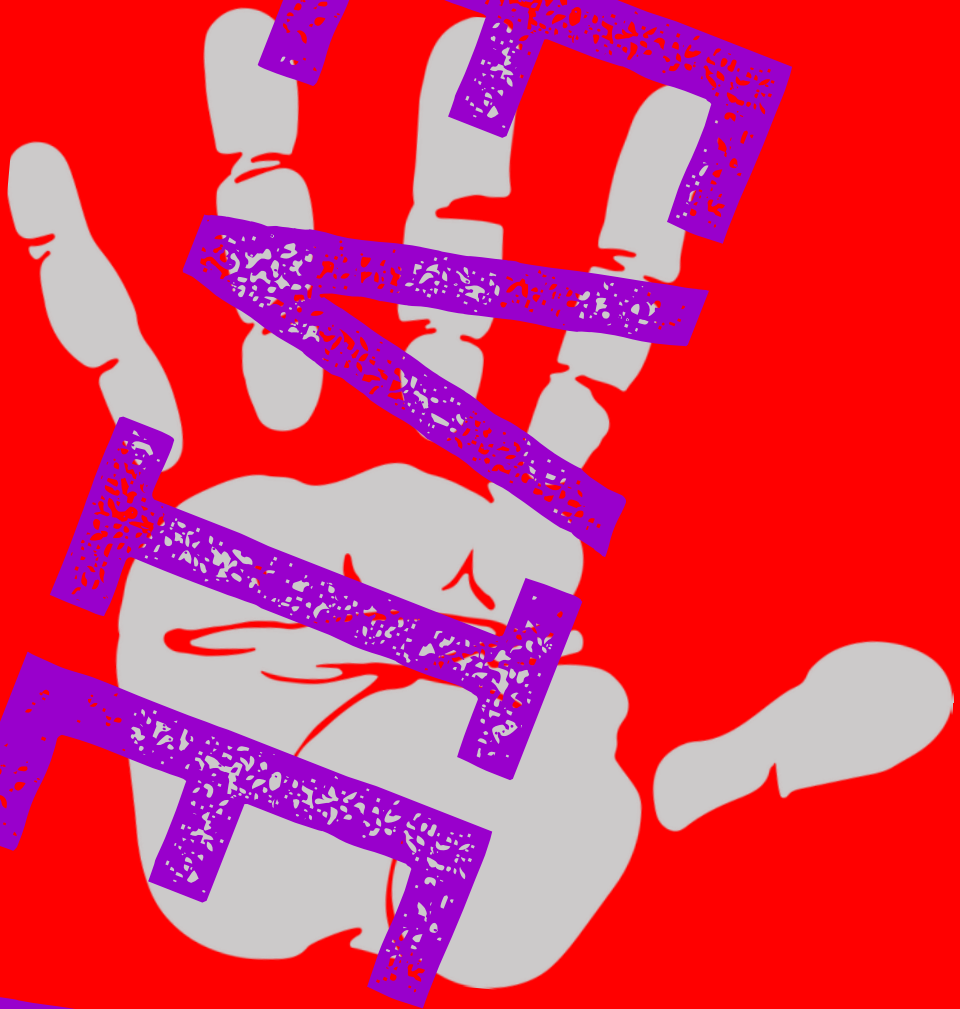
ENTER



ACCESS CODE

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SCAN



TO ENTER

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IT!
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