

STUDY NOTES

CHAPTER 9 – Gas Exchange

Gas Exchange

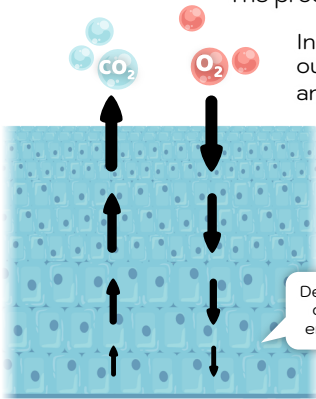
Teach Me

GAS EXCHANGE

The process by which gases (such as O_2 and CO_2) are taken in and expelled from an organism.

In **multicellular organisms**, cells are too **deep/far** away from the outside to simply get air from the atmosphere. This requires plants and animals to have a respiratory system:

Unlike unicellular organisms which can do gas exchange directly with the atmosphere.

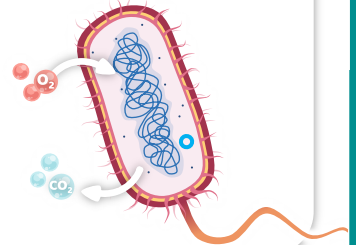


ANIMALS & PLANTS

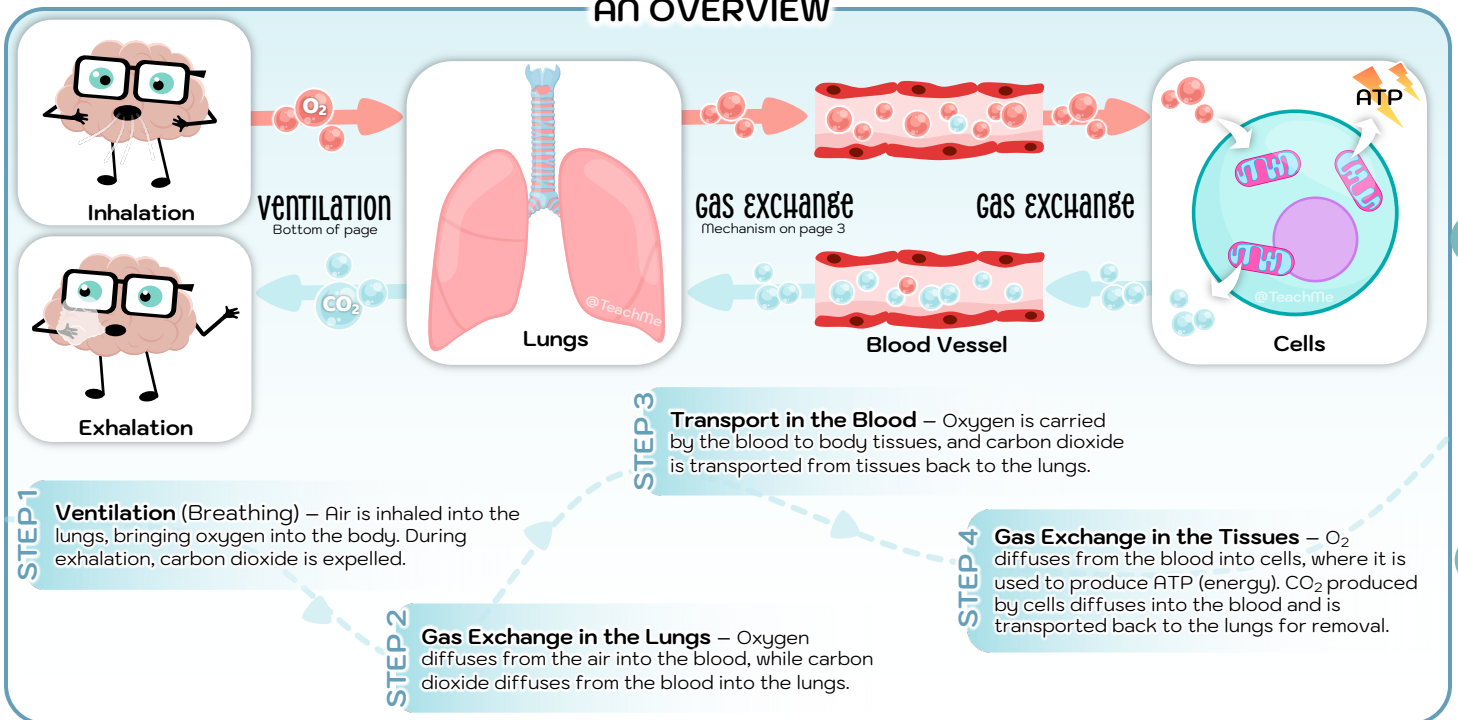
RESPIRATORY SYSTEM

The respiratory system supplies the body's cells with oxygen and removes carbon dioxide, a waste product of cellular respiration.

This system works hand in hand with the **cardiovascular system** (chapter 8)



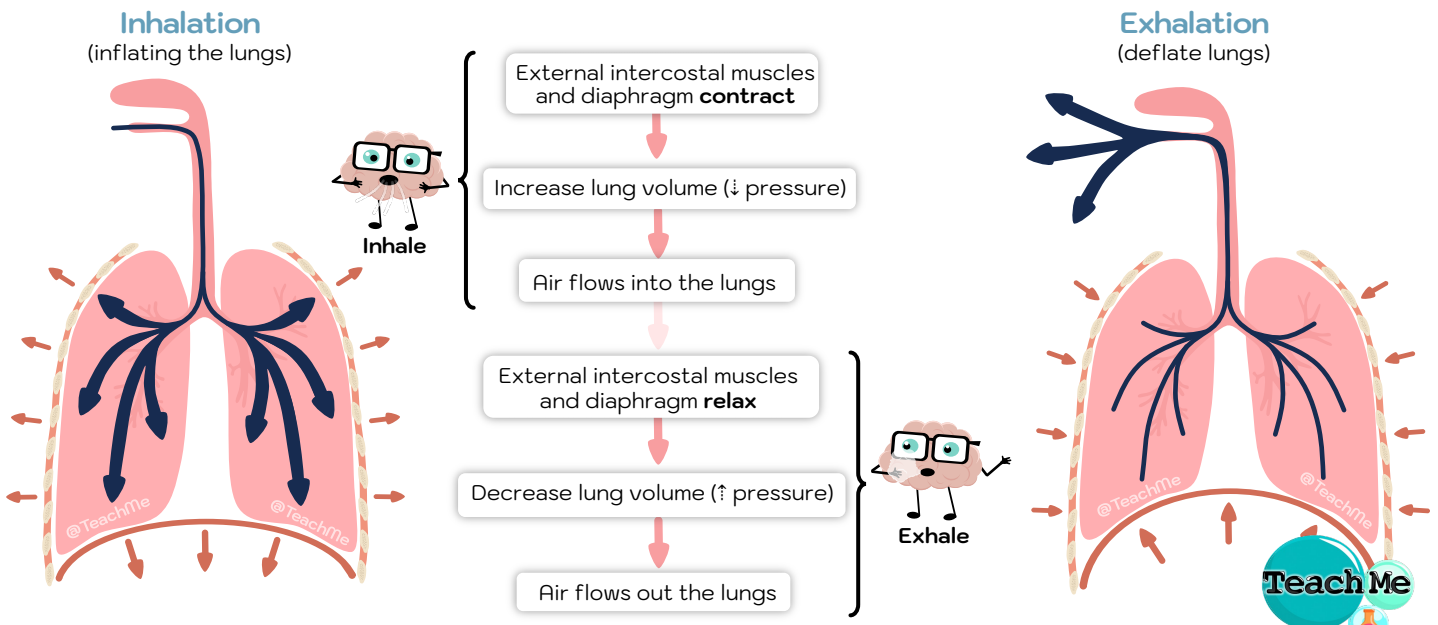
AN OVERVIEW



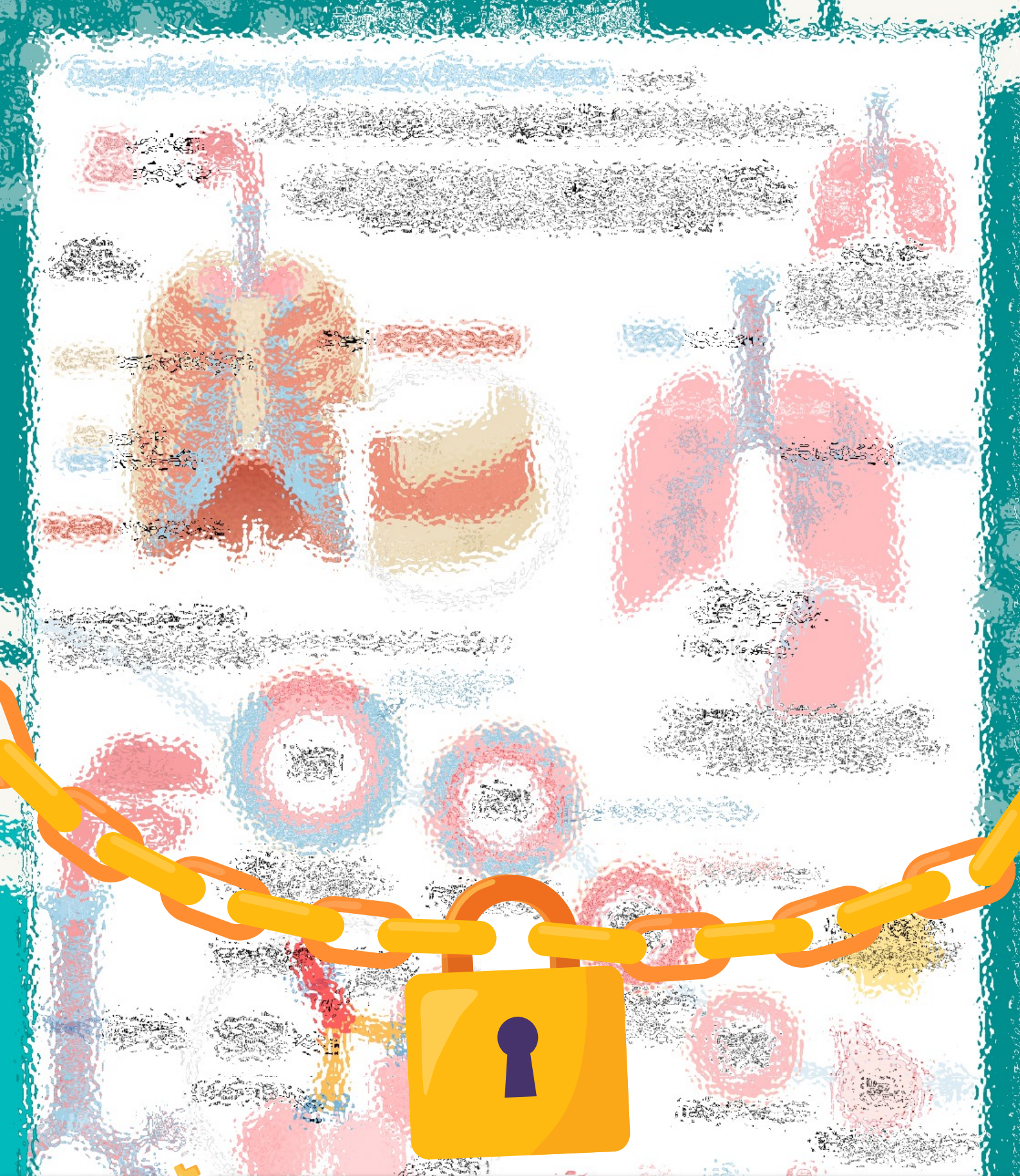
The process of ventilation is not tested on the exam!

Ventilation

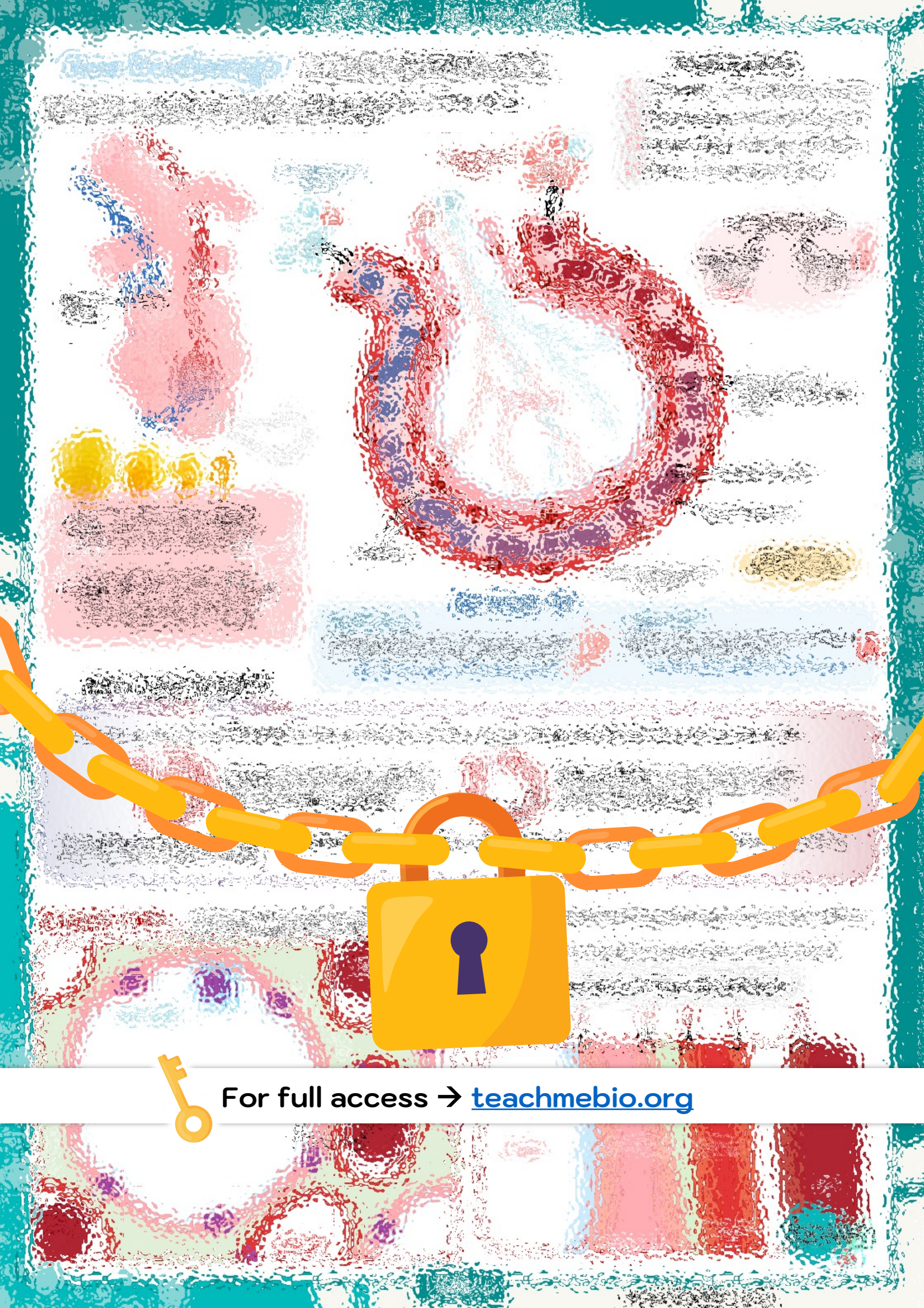
The process of bringing air into and out of the lungs (inhalation + exhalation)



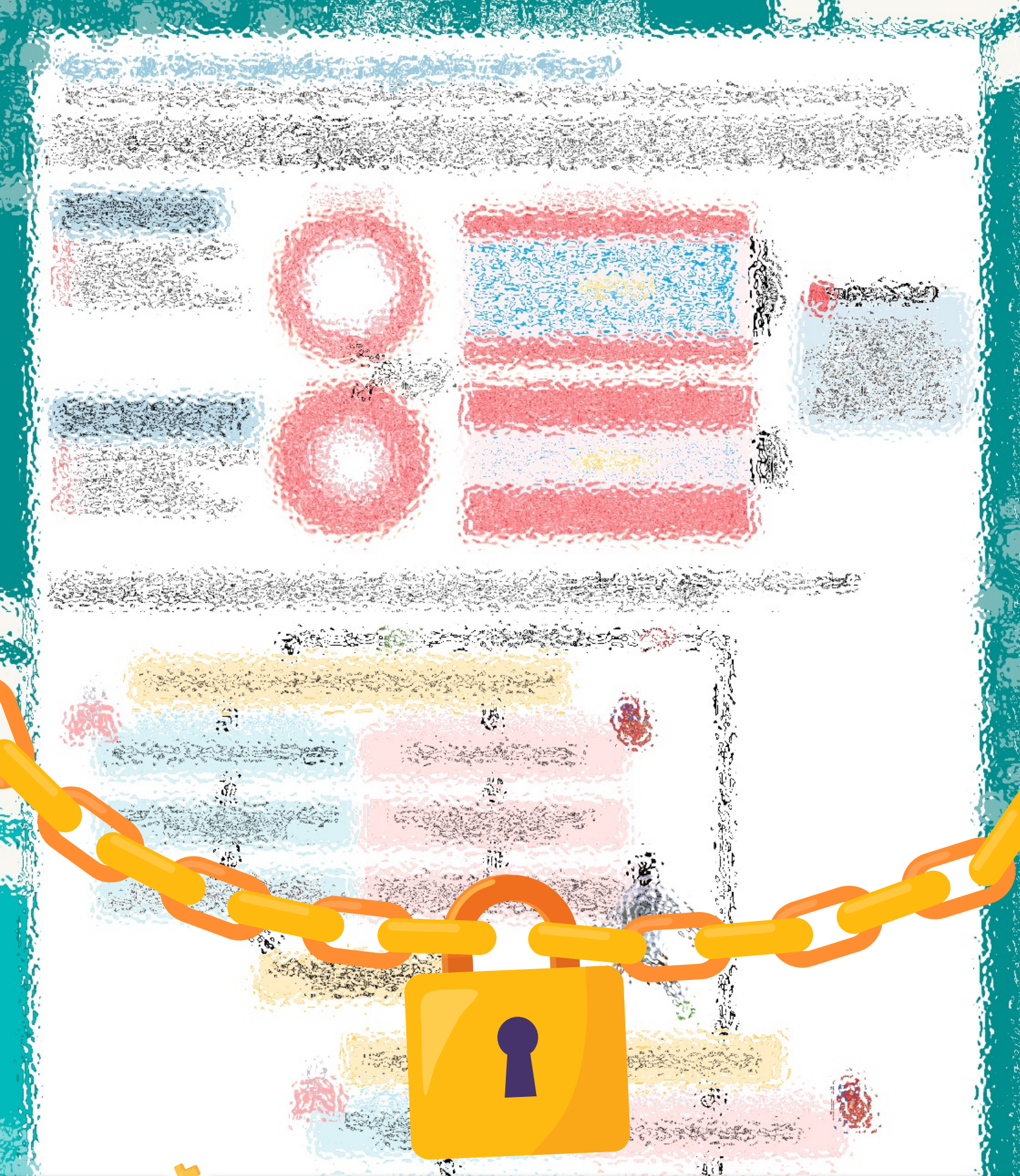
Anatomy of Respiratory System on page 2



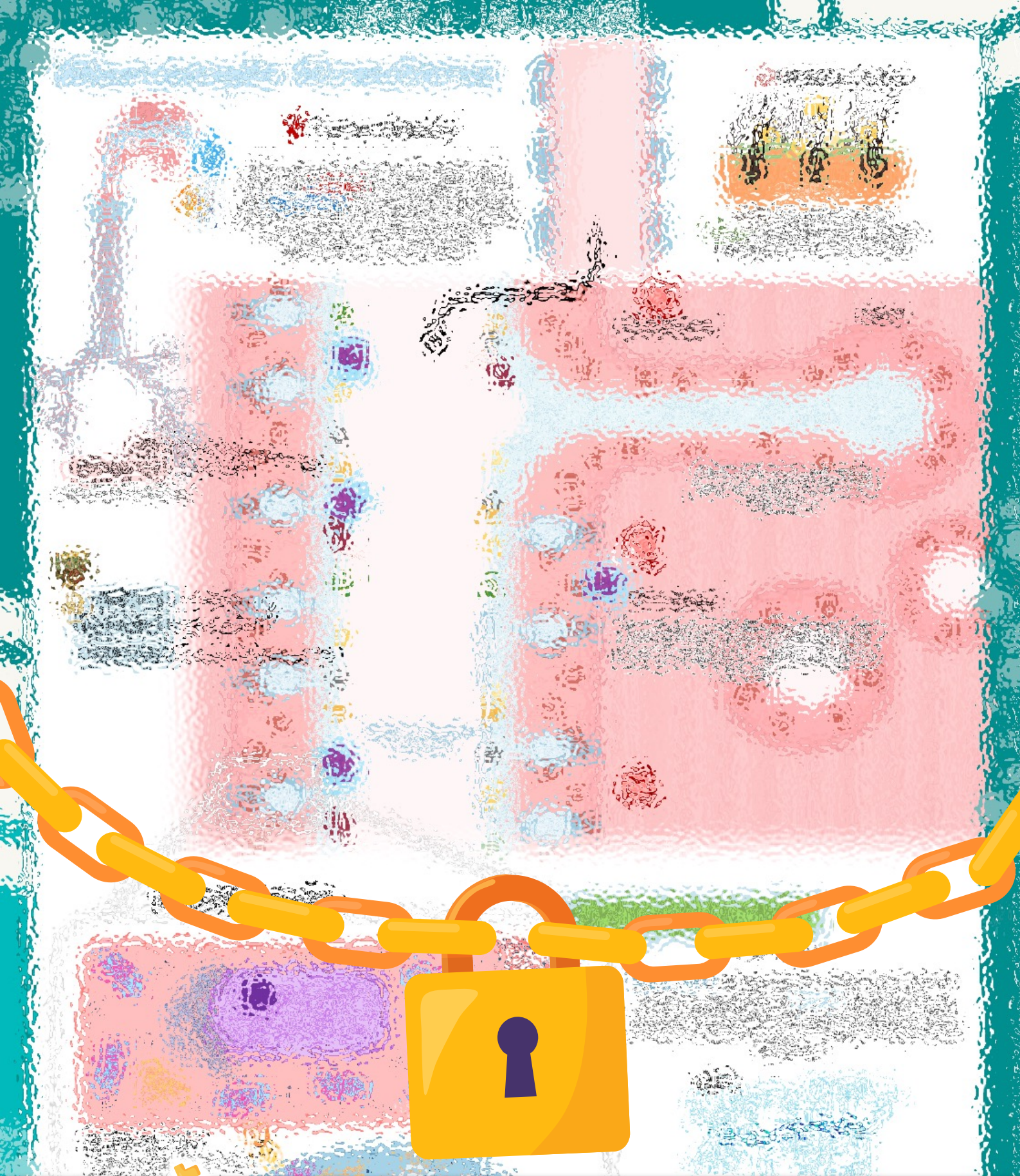
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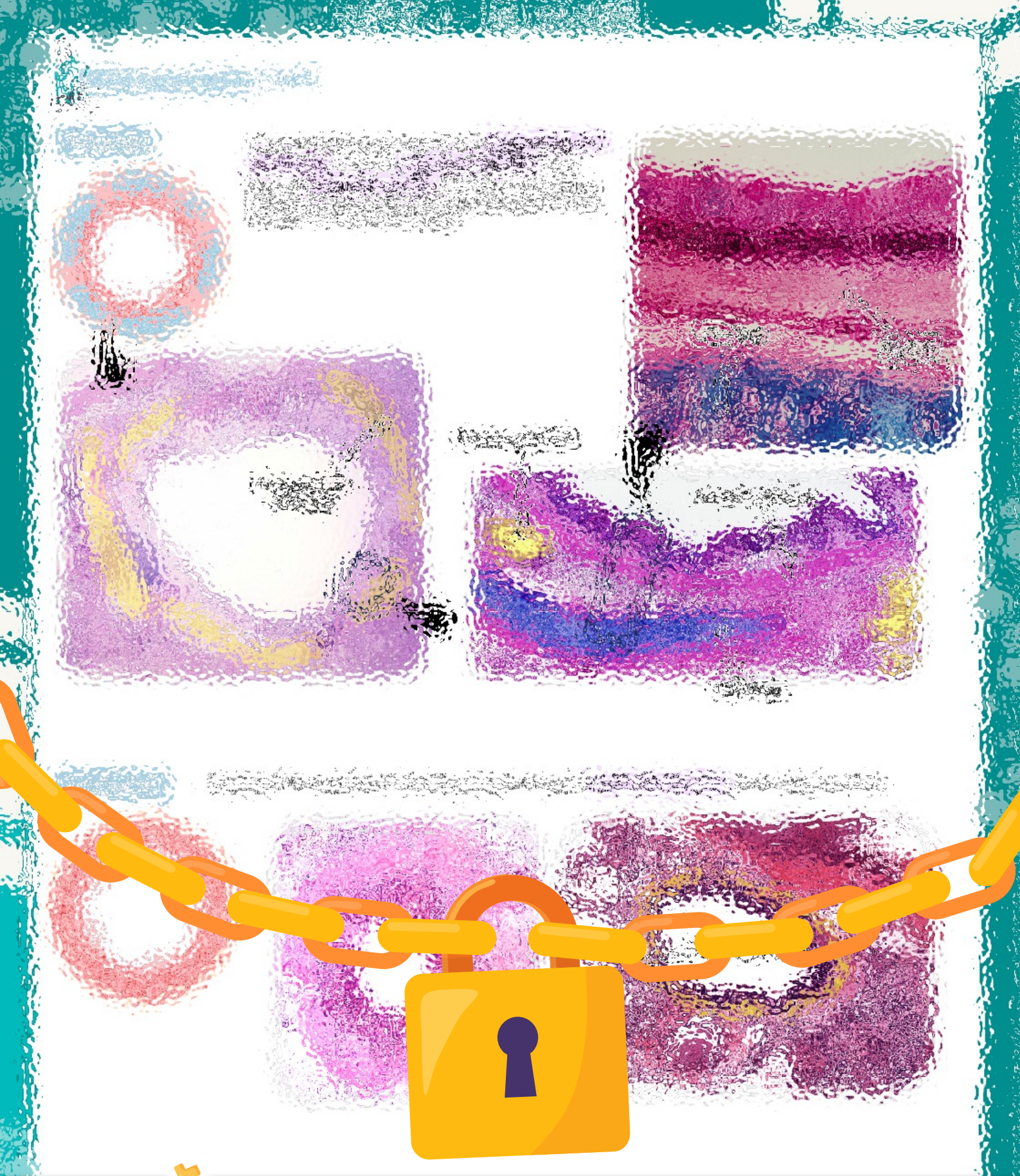
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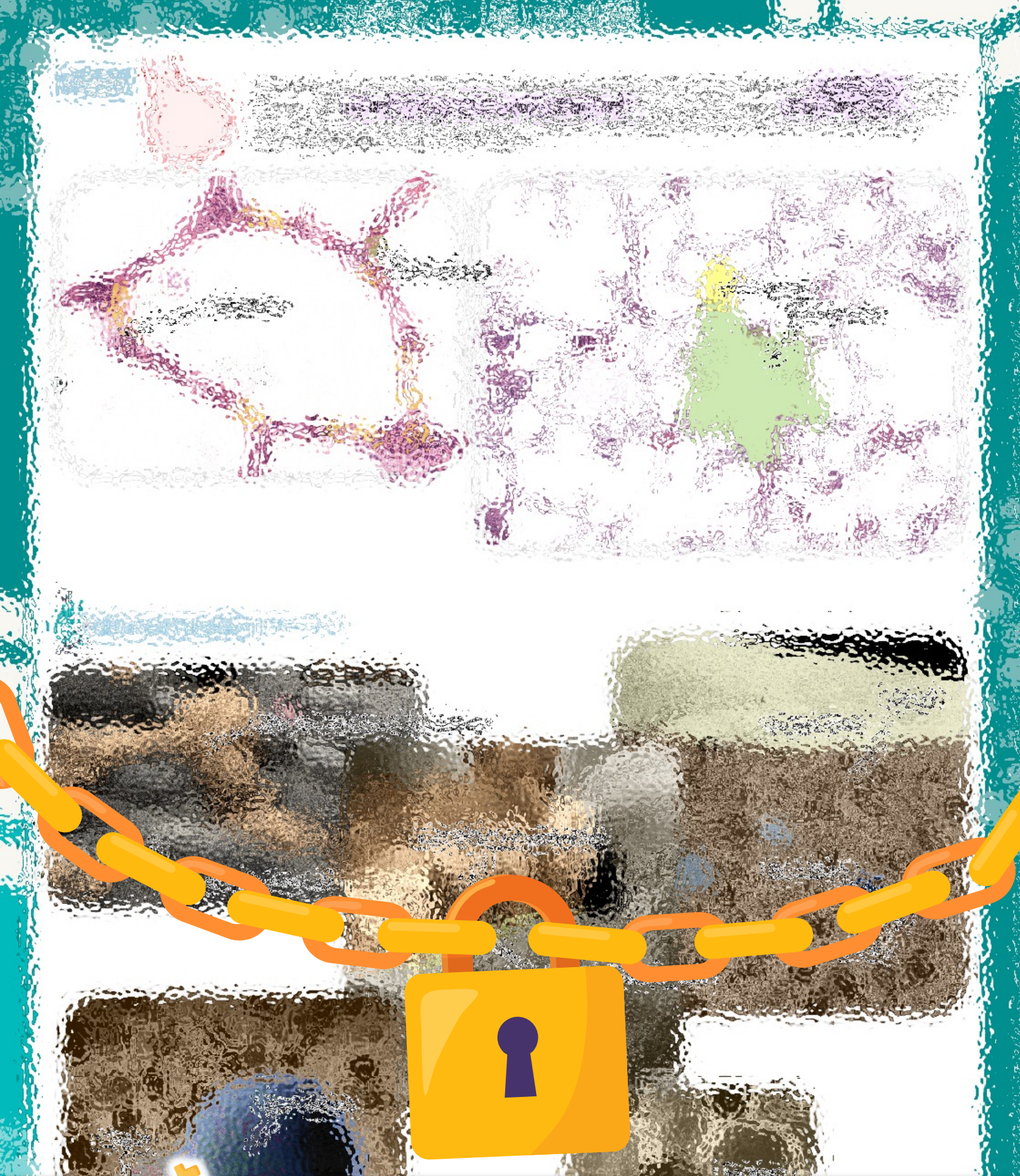
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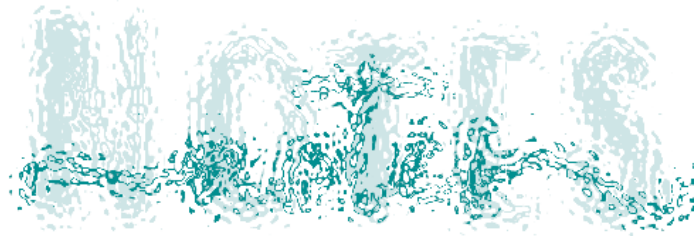
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This is a placeholder for the main content of the page, which appears to be a series of lines of text that have been obscured or redacted. The text is arranged in approximately 15 horizontal lines across the middle section of the page.



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