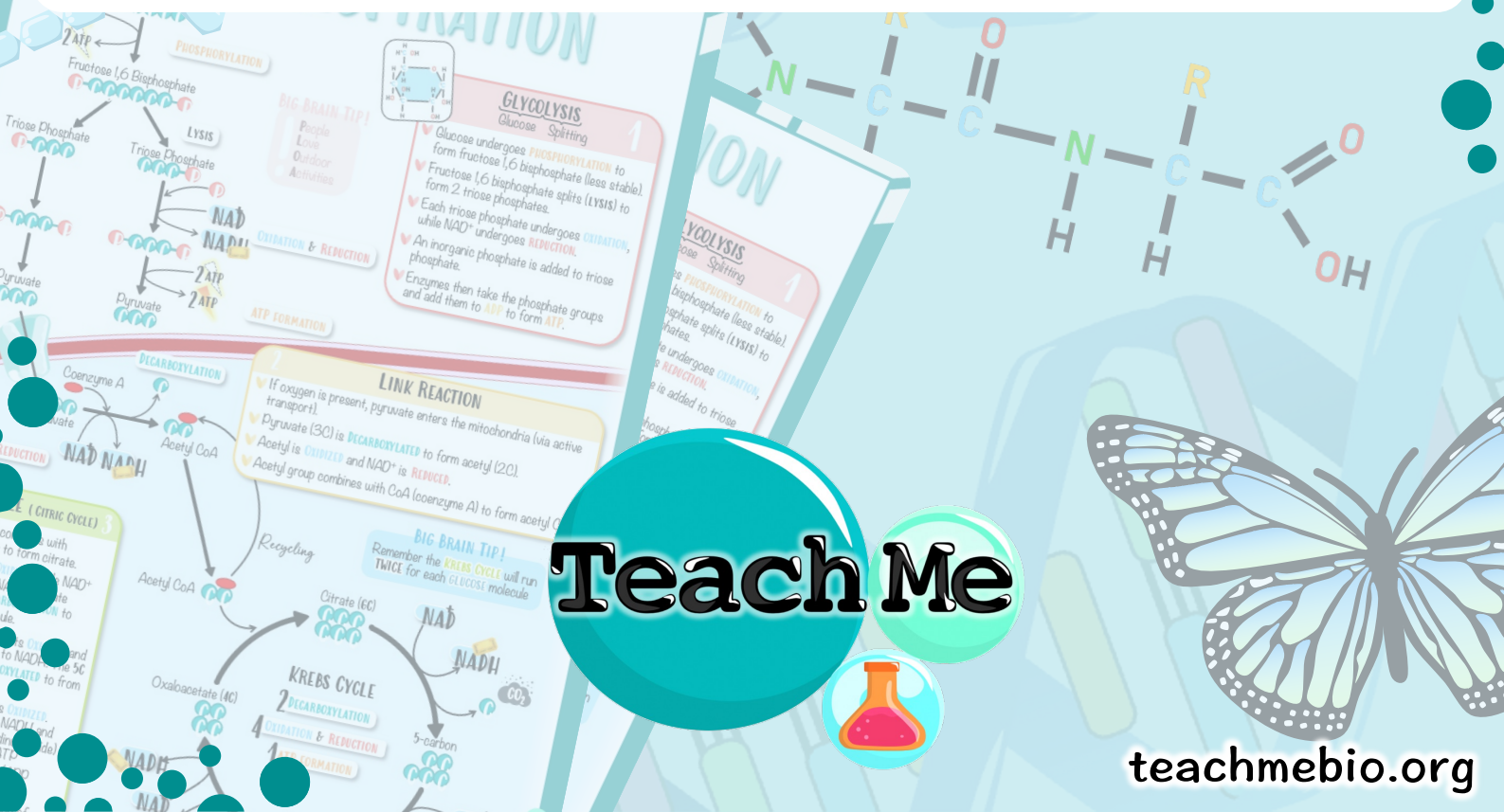


TeachMe

# STUDY NOTES

CHAPTER 8 - TRANSPORT IN ANIMALS

## THE HEART



# THE HEART

## I. ANIMALS

### A. MAMMALS

**TWO** body systems work together:

**Respiratory System:** Helps bring air into our body and into our blood stream.

**Cardiovascular System:** Helps us distribute the blood (containing nutrients & oxygen) to all cells of our body.

### BIG BRAIN TIP!



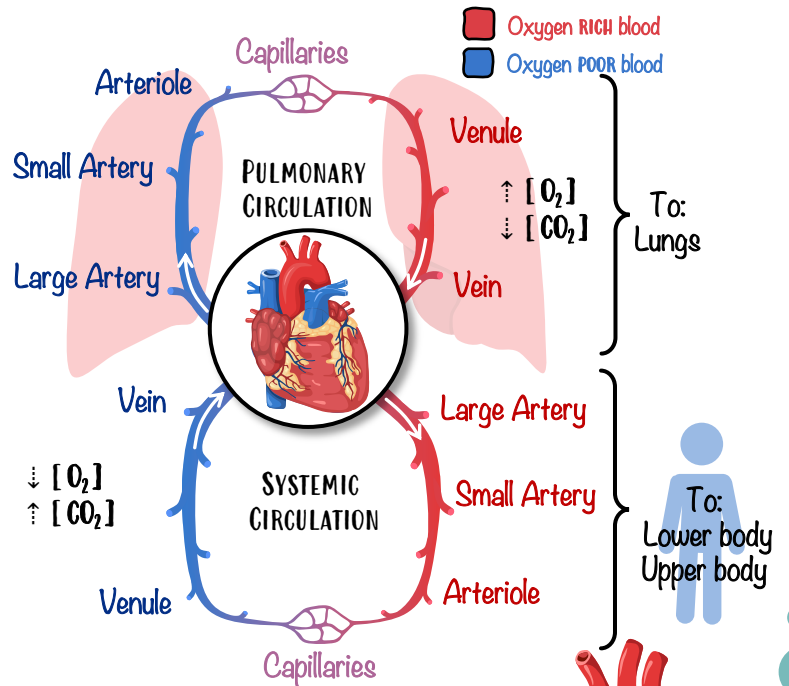
Arteries - Away from heart



Veins - Towards the heart

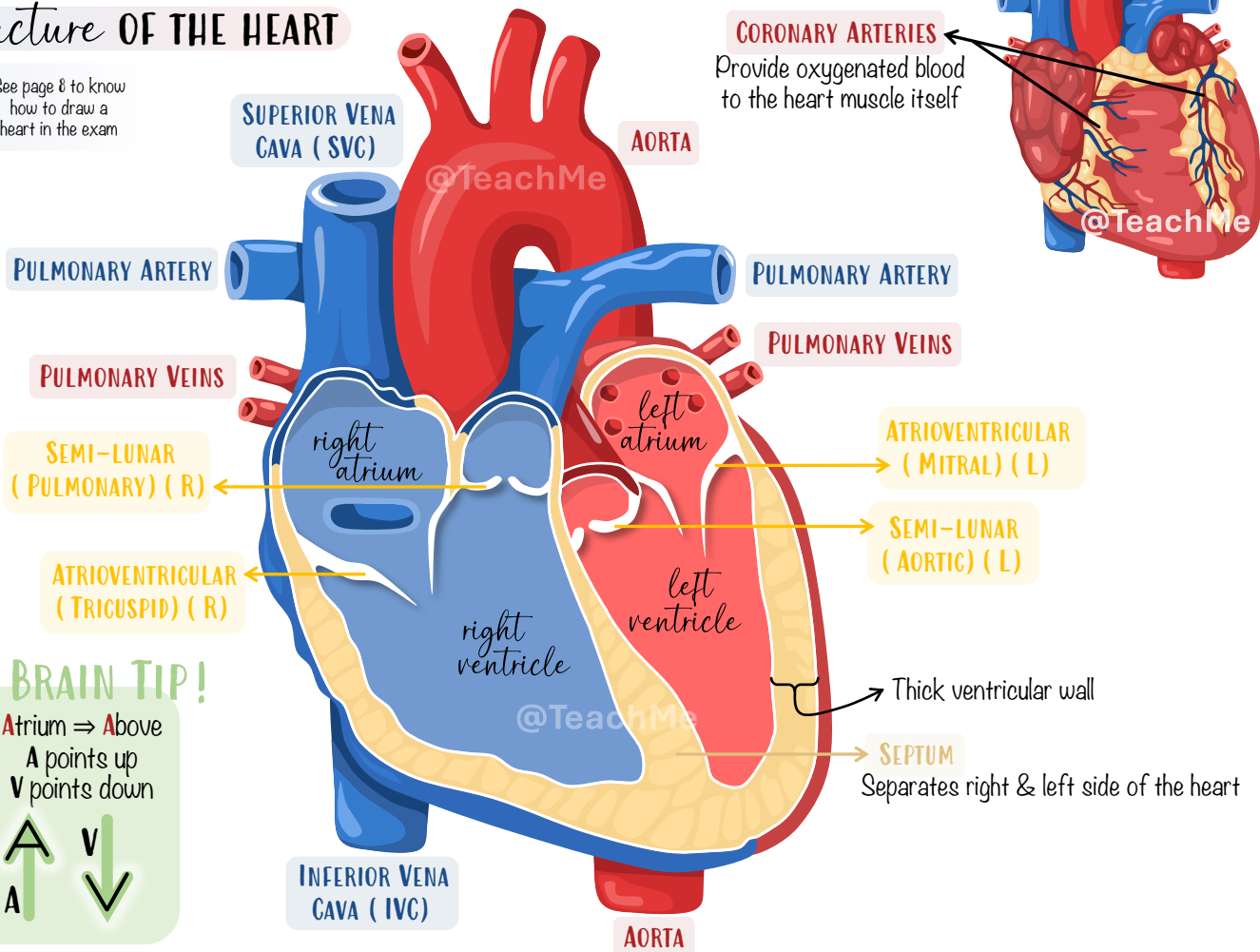


The identification "artery" or "vein" is **NOT** based on the level of blood oxygenation in the blood so **NOT** color based.



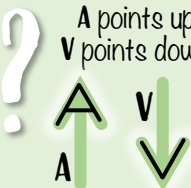
## Structure OF THE HEART

See page 8 to know how to draw a heart in the exam



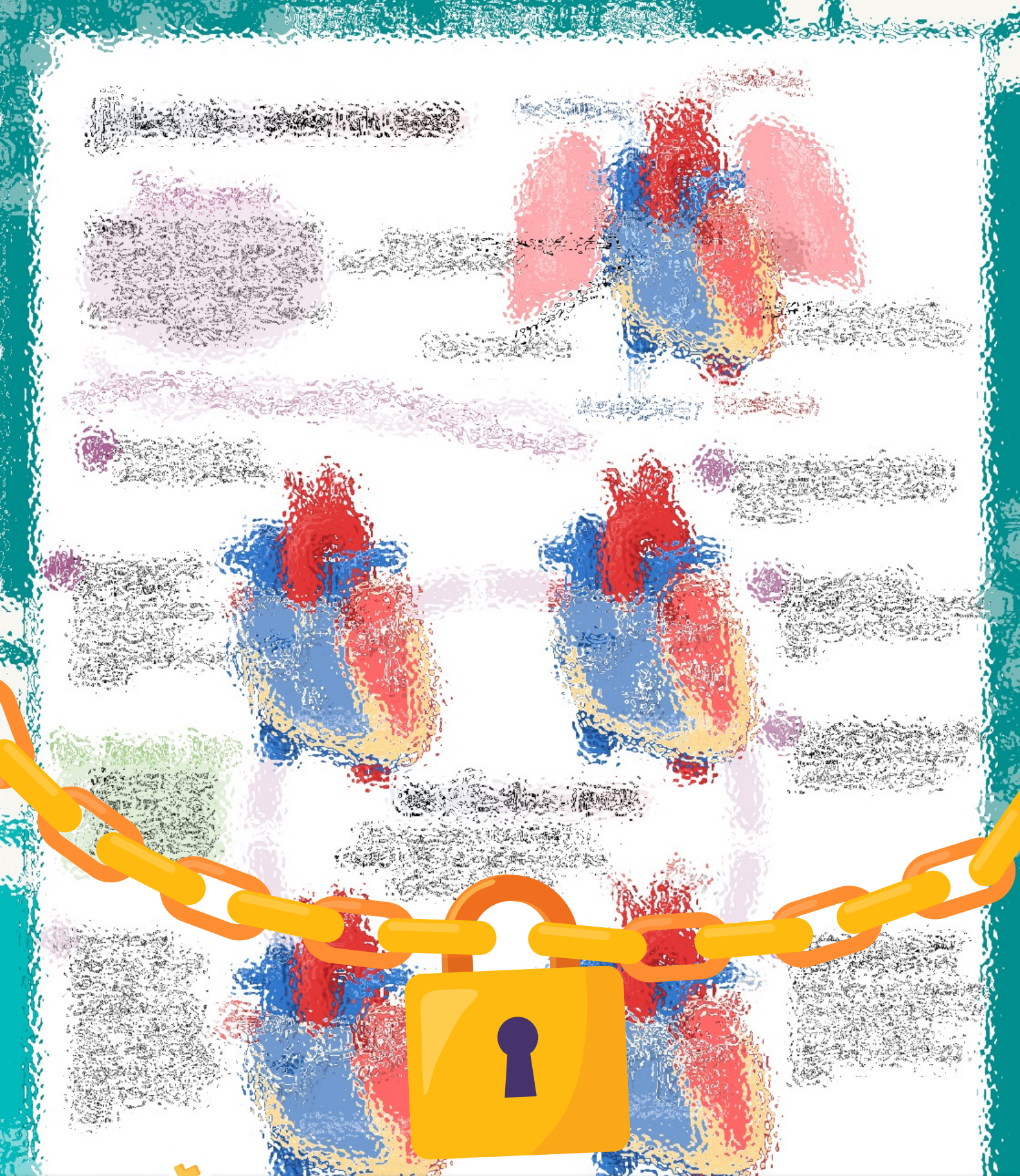
### BIG BRAIN TIP!

Atrium ⇒ Above  
 A points up  
 V points down

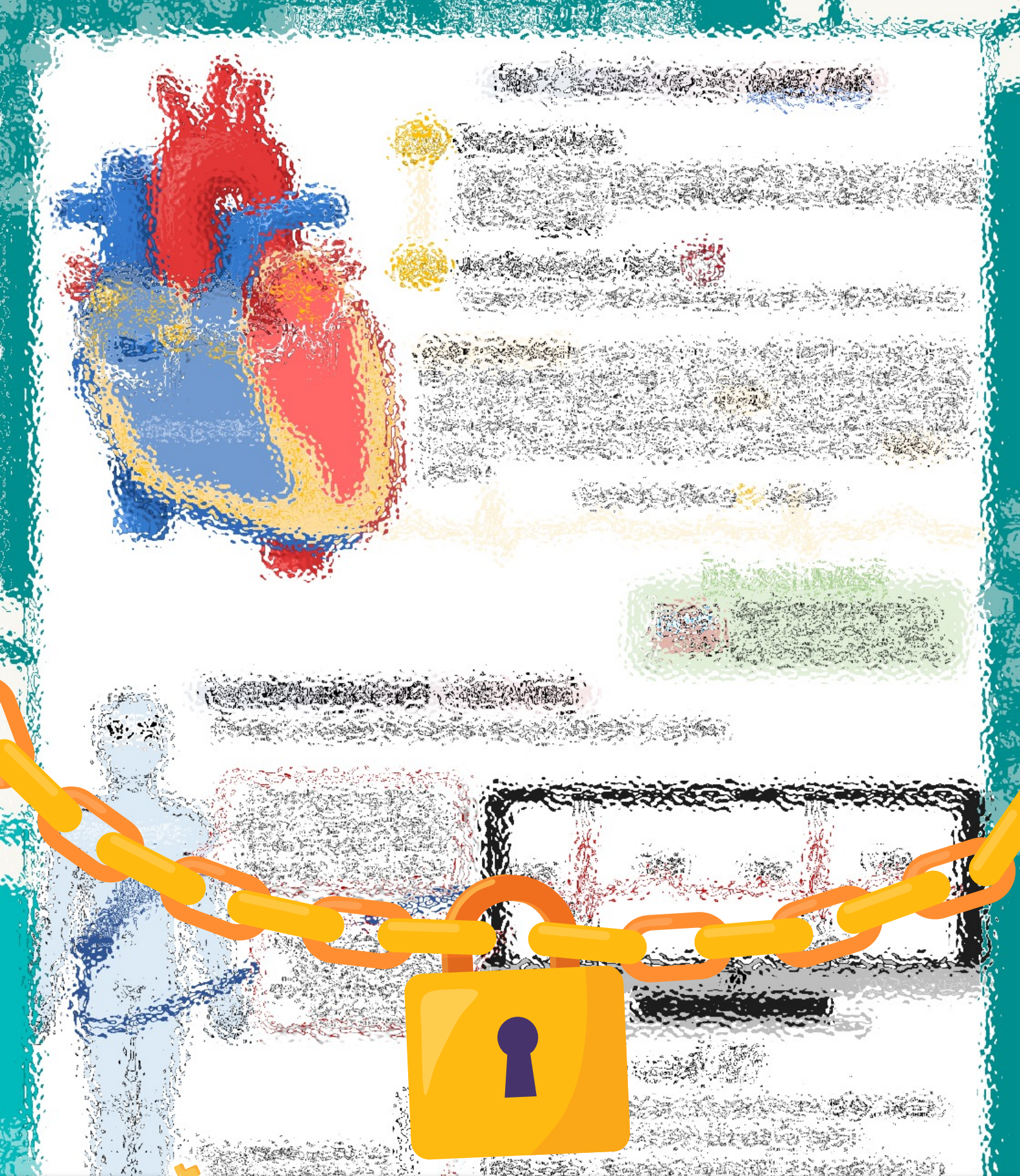


When looking at a diagram of the heart... why does it seem like the sides "RIGHT" and "LEFT" are inverted?  
 Diagrams are made to represent a person facing you, not (you) the observer! Your right is therefore "left" on the diagram.

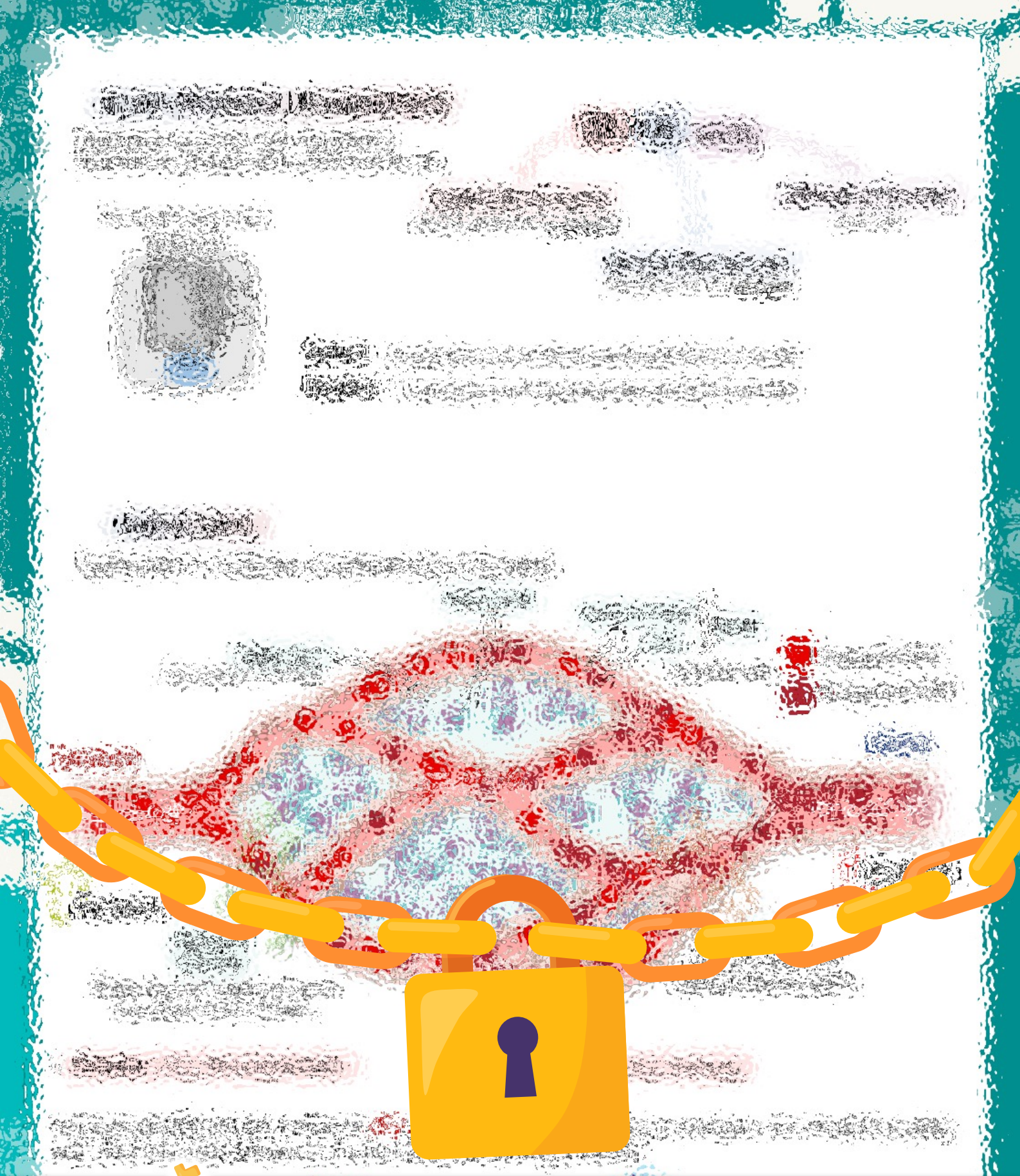




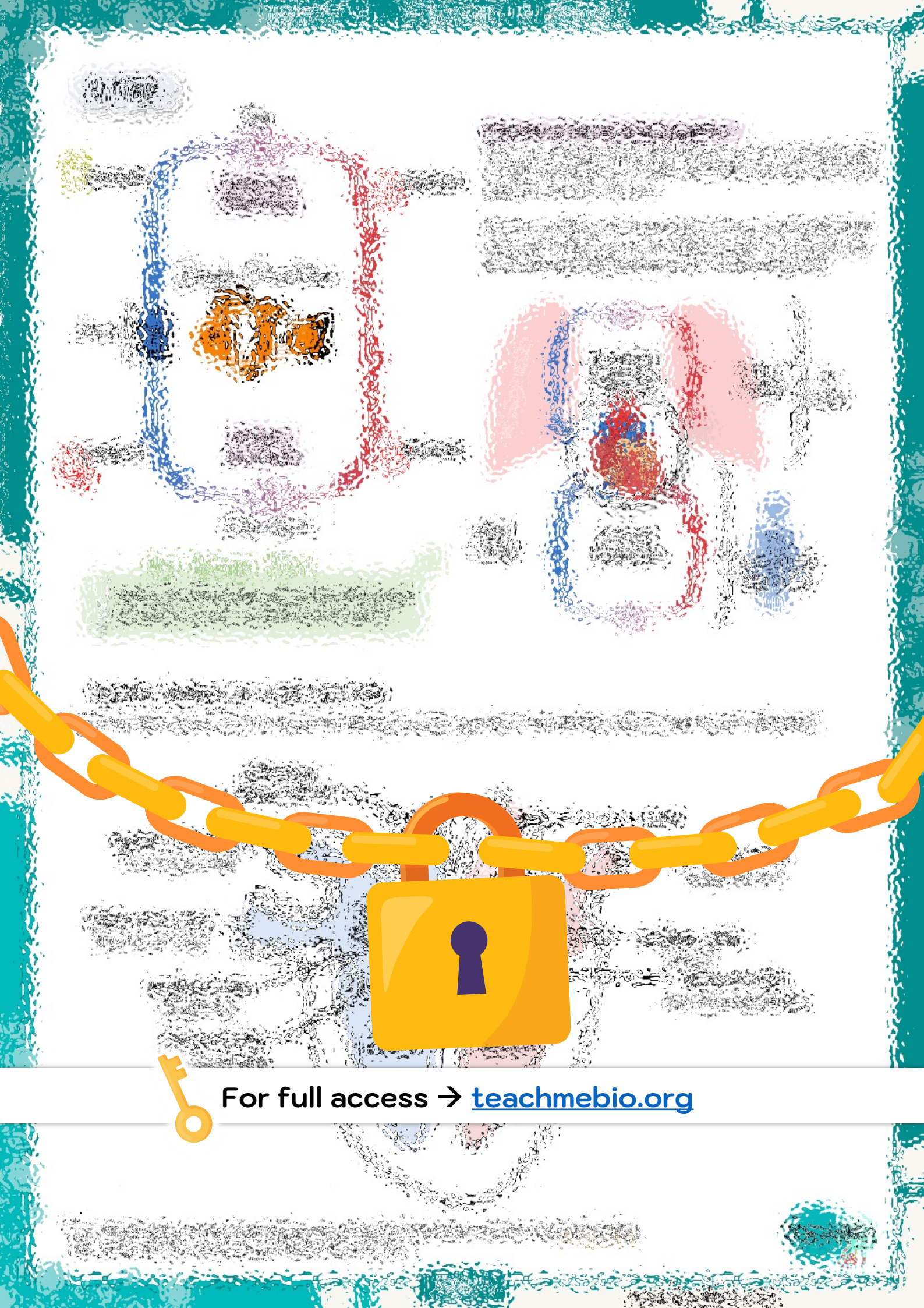
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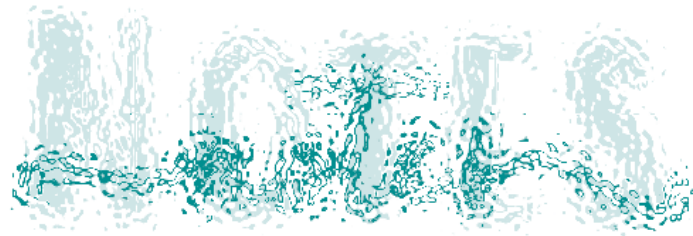
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biochemistry is the study of the chemical and physical properties of living organisms and the processes that govern their growth, development, and function. It is a branch of biology that focuses on the molecular and cellular level of life, and it is one of the most rapidly advancing fields in science. The study of biochemistry is essential for understanding the fundamental principles of life and for developing new treatments for disease. It is a multidisciplinary field that draws on knowledge from chemistry, physics, and biology to explore the complex interactions between the different components of a living system. The study of biochemistry is also important for understanding the role of the environment in the development of disease and for developing new strategies for preventing and treating disease. The study of biochemistry is a fascinating and challenging field that offers a unique perspective on the world of life.



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