

*\*Illustrations of the Biology Sections were taken from:*

### **Paper1**

*The Portal Episode 19 - Basteph. "Thursday, April 9th 2020." Medium, Memories of a Pandemic, 10 Apr. 2020, [medium.com/memories-of-a-pandemic/thursday-april-9th-2020-53a9c7b50d49](https://medium.com/memories-of-a-pandemic/thursday-april-9th-2020-53a9c7b50d49).*

*Telomeres Images - "Prevenir Alteraciones Cromosómicas y Genéticas En Los Embriones." IVI Global Education, 23 Oct. 2018, [iviglobaleducation.com/prevenir-alteraciones-cromosomicas-geneticas-embriones](https://iviglobaleducation.com/prevenir-alteraciones-cromosomicas-geneticas-embriones).*

*Carbonic Anhidrase Reaction - Kleinman, Leonard I., and Author AffiliationsCINCINNATI. "Blood Carbonic Anhydrase Activity and Zinc Concentration in Infants with Respiratory-Distress Syndrome: NEJM." New England Journal of Medicine, [www.nejm.org/doi/full/10.1056/NEJM196711302772201](https://www.nejm.org/doi/full/10.1056/NEJM196711302772201).*

*Gentoo Penguin Image - "Gentoo Penguin." Wikipedia, Wikimedia Foundation, 11 July 2020, [en.wikipedia.org/wiki/Gentoo\\_penguin](https://en.wikipedia.org/wiki/Gentoo_penguin).*

*Lipids Image - "Pin En IB Bio Resources." Pinterest, [www.pinterest.com/pin/312718767855118683/](https://www.pinterest.com/pin/312718767855118683/).*

*Cysteine Image - David Warmflash, MD, and Ph.D. Nathan H Lents. "Biological Proteins: Biology." Visionlearning, Visionlearning, Inc., 12 Feb. 2017, [www.visionlearning.com/es/library/Biologia/2/Biological-Proteins/243](https://www.visionlearning.com/es/library/Biologia/2/Biological-Proteins/243).*

*Bohr Effect Image - "The Bohr Effect: Biochemistry, Bohr Effect, Medical Science." Pinterest, [ar.pinterest.com/pin/157203843227482078/](https://ar.pinterest.com/pin/157203843227482078/).*

*Bonus 1-*

*<https://www.youtube.com/watch?v=RcYjXbSJBn8&t=2305s>*

*All the other images were taken from:*

- Karp, Gerald, and James G Patton. *Cell and Molecular Biology Concepts and Experiments*. W. Ross MacDonald School Resource Services Library, 2014.

- Lehninger, Albert L., et al. *Principles of Biochemistry*. W.H. Freeman, 2013.

## **Paper 2**

*Electrophoresis Diagram* - "Electroforesis PNG Cliparts Descarga Gratuita." PNGOcean, [www.pngocean.com/search?png=electroforesis](http://www.pngocean.com/search?png=electroforesis).

*Glycophorin Diagram* - Xia, Yi, and Ling Peng. "Figure 65. Schematic Representation of Glycophorin A. Glycophorin A Is..." ResearchGate, 20 Dec. 2018, [www.researchgate.net/figure/Schematic-representation-of-glycophorin-A-Glycophorin-A-is-a-membrane-protein-with-131\\_fig15\\_255956206](http://www.researchgate.net/figure/Schematic-representation-of-glycophorin-A-Glycophorin-A-is-a-membrane-protein-with-131_fig15_255956206).

Bonus "Free Will" -

<https://www.youtube.com/watch?v=WAyR7XxNUyE&t=137s> and <https://www.youtube.com/watch?v=r9VZqrNAQx4&t=6s>

Bonus "Fermi Paradox" -

<https://www.youtube.com/watch?v=qJNO1X4VJoc&t=145s>

*All the other images were taken from:*

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- Lehninger, Albert L., et al. *Principles of Biochemistry*. W.H. Freeman, 2013.

*Images of Physics and Chemistry were self-designed*