

REFERENCES for the STARTLINGLY SIMPLE SCIENCE BOOK

1. ANAXAGORAS- Moonlight is Reflected Light.

- a) David Warmflash (2019) An Ancient Greek Philosopher Was Exiled for Claiming the Moon Was a Rock, Not a God. Smithsonian Magazine.
<https://www.smithsonianmag.com/science-nature/ancient-greek-philosopher-was-exiled-claiming-moon-was-rock-not-god-180972447/>
- b) Burnet J. (1892) Early Greek Philosophy A. & C. Black, London
<https://www.plato.spbu.ru/RESEARCH/burnet/burnet.pdf>

2. ARISTOTLE- Chicken Egg Experiment

- a) Wolpert L. (2004) Much more from the chicken's egg than breakfast – a wonderful model system. *Mechanisms of Development*. 121, 1015–1017
<https://doi.org/10.1016/j.mod.2004.04.021>
- b) Edwin Tenny Brewster (2020) Natural Wonders. ISBN: 9781508787068
- c) Hamburger V, Hamilton HL. (1951). A series of normal stages in the development of the chick embryo. *Dev Dyn*. 1992 Dec;195(4):231-72. doi:10.1002/aja.1001950404. PMID: 1304821.

3. ARISTOTLE – Shape of Earth

- a) Anatoly Tomilin. (1984). How people discovered the shape of the earth. English translation Raduga publishers USSR. ISBN 5-05-000448-9

4. ARCHIMEDES – Density

- a) Kuroki, H. (2016) How did Archimedes discover the law of buoyancy by experiment?. *Front. Mech. Eng.* 11, 26–32. <https://doi.org/10.1007/s11465-016-0368-z> Published: 20 January 2016

5. ERATOSTHENES- Circumference of Earth

- a) Anatoly Tomilin. (1984). How people discovered the shape of the earth. English translation Raduga publishers. USSR. ISBN 5-05-000448-9

6. ERATOSTHENES – Sieve of Eratosthenes

- a) <https://www.geeksforgeeks.org/sieve-of-eratosthenes/>
- b) <https://mathstats.uncg.edu/sites/pauli/112/HTML/seceratosthenes.html>

7. IBN- AL- HAYTHAM

- a) <https://es.unesco.org/node/287650>
- b) Tbakhi, A., & Amr, S. S. (2007). Ibn Al-Haytham: father of modern optics. *Annals of Saudi medicine*, 27(6), 464–467.
<https://doi.org/10.5144/0256-4947.2007.464>

- c) Unal, Nedim & Sayligil, Omur. (2009). Anatomy of the eye from the view of Ibn Al-Haitham (965-1039). The founder of modern optics. Saudi medical journal. 30. 323-8.
- d) Adamson, Peter (2016). *Philosophy in the Islamic World: A History of Philosophy Without Any Gaps*. Oxford University Press. p. 77. ISBN 978-0-19-957749-
- e) <https://www.ibnalhaytham.com/discover/who-was-ibn-al-haytham/>

8. WILLIAM GILBERT- Iron in Earth's Core

- a) <https://www.encyclopedia.com/science/encyclopedias-almanacs-transcripts-and-maps/geologist-richard-oldhams-1906-paper-seismic-wave-transmission-establishes-existence-earths-core-and>

9. GALILEO GALILEI – Phases of Venus (Heliocentric theory)

- a) <https://solarsystem.nasa.gov/resources/482/galileos-phases-of-venus-and-other-planets/>
- b) <https://www.universetoday.com/22560/discovery-of-venus/>

10. WILLIAM HARVEY – Circulation of Blood

- a) Stanley G. Schultz. (2002) William Harvey and the Circulation of the Blood: The Birth of a Scientific Revolution and Modern Physiology. News Physiol Sci 17: 175180; www.nips.org 10.1152/nips.01391.2002
- b) Friedland G. (2009). Discovery of the function of the heart and circulation of blood. Cardiovasc J Afr. May-Jun;20(3):160. PMID: 19575077; PMCID: PMC3721262.

11. NEWTON- Prism Experiment

- a) <https://www.aaas.org/isaac-newton-and-problem-color>
- b) F. S. Crawford. (1971) "Variations on a famous white-light experiment of Isaac Newton", Am. J. Phys. 39, 1538–1539. <https://doi.org/10.1119/1.1976713>

12. FRANCESCO REDI – Disproves Spontaneous Generation

- a) https://www.mun.ca/biology/scarr/4270_Redi_experiment.html
- b) Good enough, Mc Guire, Wallace. (2nd Edition). Biology of Humans – Concepts, applications and issues.

13. JAMES LIND – Cures Scurvy

- a) Marcus White (2016) James Lind: The man who helped to cure scurvy with lemons. BBC News
- b) Milne I. (2012). Who was James Lind, and what exactly did he achieve. J R Soc Med. 105(12):503-8. doi: [10.1258/jrsm.2012.12k090](https://doi.org/10.1258/jrsm.2012.12k090). PMID: 23288083; PMCID: PMC3536506

14. ANTOINE LAVOISIER – Conservation of Mass

- a) <https://www.acs.org/content/acs/en/education/whatischemistry/landmarks/lavoisier.html>
- b) <https://www.chemteam.info/Equations/Conserv-of-Mass.html>

15. EDWARD JENNER – Vaccination for Small Pox

- a) Riedel S. (2005) Edward Jenner and the history of smallpox and vaccination. *Proc (Bayl Univ Med Cent)*. 18(1):21-25. doi:10.1080/08998280.2005.11928028
- b) <https://www.cdc.gov/smallpox/history/history.html>

16. MARY ANNING – Diet of Dinosaurs

- a) <https://www.natgeokids.com/uk/discover/history/general-history/mary-anning-facts/>
- b) <https://www.nhm.ac.uk/discover/what-is-a-coprolite.html>

17. ROBERT BUNSEN- Geysers

- a) <https://corrosion-doctors.org/Biographies/BunsenBio.htm>
- b) https://www.rsc.org/images/Historical%20Profile%20-%20Blazing%20A%20Trail_tcm18-204010.pdf
- c) Wentrup, Curt. (2020). Bunsen the Geochemist preprint.
Paper title: Bunsen the Geochemist: Icelandic Volcanism, Geyser Theory, and Gas, Rock and Mineral Analyses

18. LOUIS PASTEUR – Germ Theory

- a) Smith K. A. (2012). Louis pasteur, the father of immunology?. *Frontiers in immunology*, 3, 68. <https://doi.org/10.3389/fimmu.2012.00068>
- b) <https://medicalmuseum.org.uk/medical-science-pasteurs-swan-neck-flask>
- c) <https://www.pasteurbrewing.com/pasteur-swan-neck-flask-experiment/>
- d) Sylvia S. Mader (5th Edition). Biology.

19. GREGOR MENDEL – Garden Peas

- a) Sylvia S. Mader (5th Edition). Biology.
- b) Miko, I. (2008) Gregor Mendel and the principles of inheritance. *Nature Education* 1(1):134

20. CHARLES DARWIN - Phototropism

- a) <https://www.pathwayz.org/Tree/Plain/PHOTOTROPISM+EXPERIMENTS>
- b) Kutschera, Ulrich & Briggs, Winslow. (2009). From Charles Darwin's botanical country-house studies to modern plant biology. Plant biology (Stuttgart, Germany). 11. 785-95. 10.1111/j.1438-8677.2009.00243.x.

- c) <https://science.jrank.org/pages/5197/Phototropism-History-phototropism-research.html>

21. SIR C V RAMAN - Raman Effect

- a) Rajinder Singh. (2002) C.V. Raman and the discovery of Raman effect Physics in perspective 4 (4): 399-420 DOI: 10.1007/s000160200002
b) <https://www.thebetterindia.com/132554/cv-raman-nobel-prize-raman-effect-story/>
c) https://www.opticaopn.org/home/articles/volume_20/issue_3/features/c_v_raman_and_the_raman_effect/

NOTE: Wherever direct reference were not available, reliable secondary or tertiary references were used.

Images were taken from Wiki Commons and other free sources on the internet.

