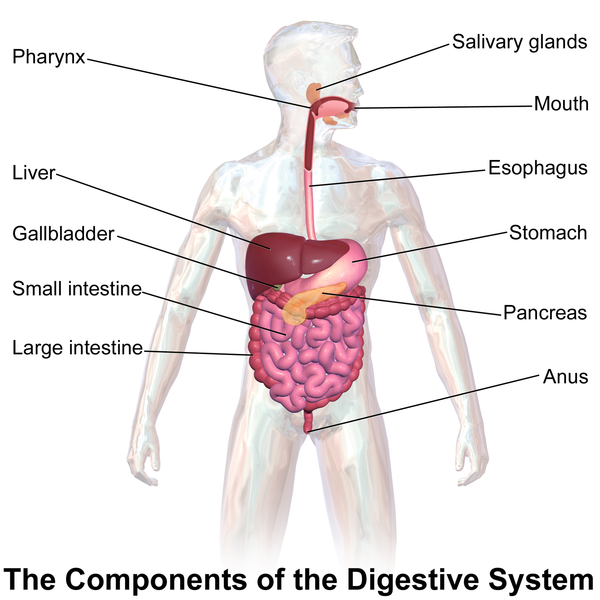
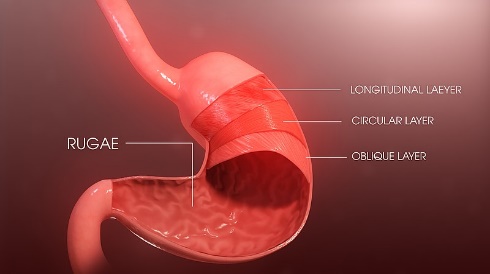
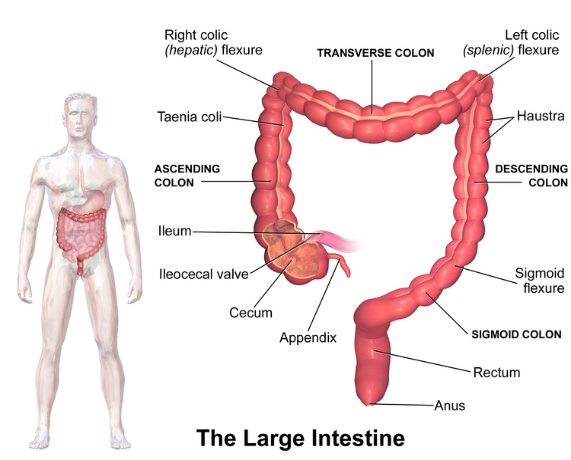
**Fig. 2.5 The hierarchy of body structure** (Images used with permission. See below)

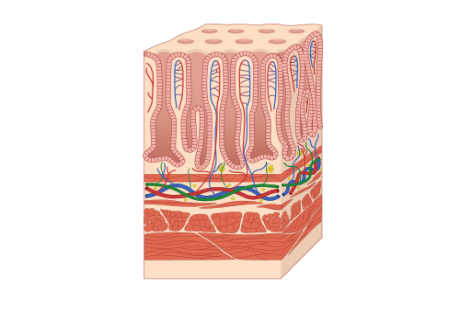
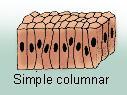
**Organism**



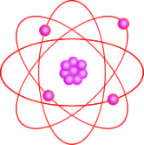
**Systems**



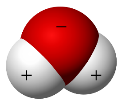
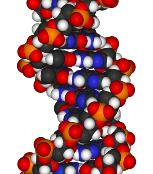
**Organs**



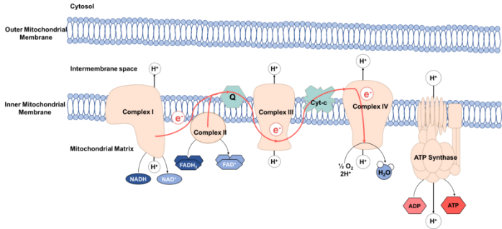
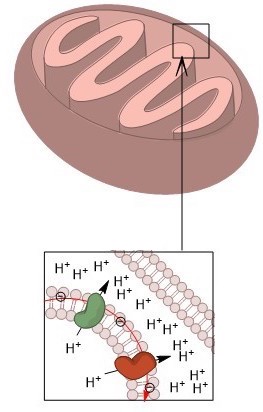
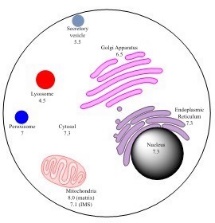
**Tissues**



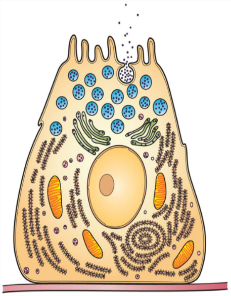
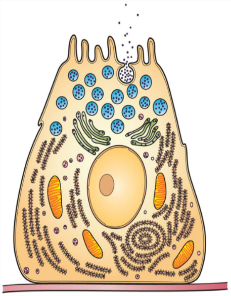
**Atoms**



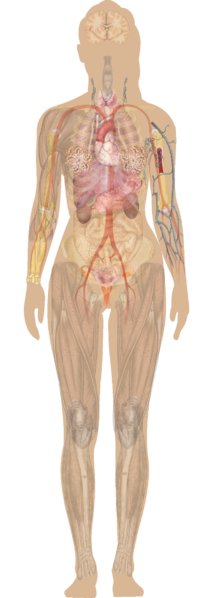
**Molecules**



**Organelles**



**Cells**



Skeletal system

Muscle system

Digestive system

Reproductive system

Immune system

Nervous system

Circulatory system

Respiratory system

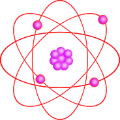
Endocrine system

Integumentary system

Urinary system

**Sources of images used**.

**Atoms**



<https://commons.wikimedia.org/wiki/File:Atom_clipart_violet.svg>

<https://upload.wikimedia.org/wikipedia/commons/thumb/8/86/Atom_clipart_violet.svg/184px-Atom_clipart_violet.svg.png>

Description Description: Atom Structure of Beryllium (e=4, P=4, n=4) in violet Theme. Source: Own work

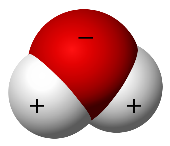
Date 9 August 2010, 22:49 (UTC)

Source [Atom\_clipart\_violet.png](https://commons.wikimedia.org/wiki/File:Atom_clipart_violet.png)

Author [Atom\_clipart\_violet.png](https://commons.wikimedia.org/wiki/File:Atom_clipart_violet.png): [Teetaweepo](https://commons.wikimedia.org/wiki/User:Teetaweepo)

derivative work: [Marek M](https://commons.wikimedia.org/wiki/User:Marek_M) ([talk](https://commons.wikimedia.org/wiki/User_talk:Marek_M))

**Molecules**



<https://upload.wikimedia.org/wikipedia/commons/thumb/5/5f/Water_molecule_3D_with-signs.svg/600px-Water_molecule_3D_with-signs.svg.png>

<https://commons.wikimedia.org/wiki/File:Water_molecule_3D_with-signs.svg>

<https://upload.wikimedia.org/wikipedia/commons/thumb/5/5f/Water_molecule_3D_with-signs.svg/600px-Water_molecule_3D_with-signs.svg.png>

Description **English:** [Molecule of water](https://en.wikipedia.org/wiki/Properties_of_water).

Date 3 March 2020, 21:59 (UTC)

Source This file was derived from:  [Water molecule 3D.svg](https://commons.wikimedia.org/wiki/File:Water_molecule_3D.svg):

Author [File:Water molecule 3D.svg](https://commons.wikimedia.org/wiki/File:Water_molecule_3D.svg):

derivative work: [MikeRun](https://commons.wikimedia.org/w/index.php?title=User:MikeRun&action=edit&redlink=1)

https://upload.wikimedia.org/wikipedia/commons/thumb/1/1c/Water\_molecule\_3D.svg/600px-Water\_molecule\_3D.svg.png

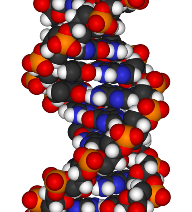
https://commons.wikimedia.org/wiki/File:Water\_molecule\_3D.svg

Description **English:** [Molecule of water](https://en.wikipedia.org/wiki/Properties_of_water).

Date 2 November 2006

Source [Water-3D-vdW.png](https://commons.wikimedia.org/wiki/File:Water-3D-vdW.png)

Author [Dbc334](https://commons.wikimedia.org/wiki/User:Dbc334) (first version); [Jynto](https://commons.wikimedia.org/wiki/User:Jynto) (second version)



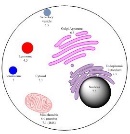
<https://commons.wikimedia.org/wiki/File:DNA-fragment-3D-vdW.png>

<https://upload.wikimedia.org/wikipedia/commons/thumb/2/2c/DNA-fragment-3D-vdW.png/544px-DNA-fragment-3D-vdW.png>

DNA molecule depicted as a space-filling model

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In some countries this may not be legally possible; if so:  
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**Organelles**



<https://commons.wikimedia.org/wiki/File:PH_of_organelles.jpg>

<https://upload.wikimedia.org/wikipedia/commons/7/77/PH_of_organelles.jpg>

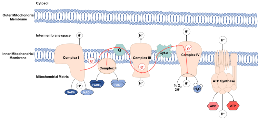
<https://upload.wikimedia.org/wikipedia/commons/7/77/PH_of_organelles.jpg>

Description **English:** A cell with several important organelles and their various pHs.

Date 9 June 2019

Source Own work

Author [Kayladanesh](https://commons.wikimedia.org/w/index.php?title=User:Kayladanesh&action=edit&redlink=1)

<https://commons.wikimedia.org/wiki/File:ElectronTransportChainDw001.png>

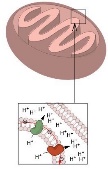
https://upload.wikimedia.org/wikipedia/commons/thumb/4/46/ElectronTransportChainDw001.png/800px-ElectronTransportChainDw001.png

Description **English:** Complex I-V in the Inner Mitochondrial Membrane. Image shows ATP production and electron transport

Date 20 March 2019

Source Own work

Author [Dw001](https://commons.wikimedia.org/w/index.php?title=User:Dw001&action=edit&redlink=1)

<https://upload.wikimedia.org/wikipedia/commons/0/0e/Mitochondria_Intermembrane_pH.jpg>

Description **English:** A zoomed in snapshot of the proton gradient created across the mitochondrial inner membrane.

Date 9 June 2019

Source Own work

Author [Kayladanesh](https://commons.wikimedia.org/w/index.php?title=User:Kayladanesh&action=edit&redlink=1)

<https://commons.wikimedia.org/wiki/File:Mitochondria_Intermembrane_pH.jpg>

**Cells**



<https://commons.wikimedia.org/wiki/File:Organelles_of_the_Secretory_Pathway.png>

<https://upload.wikimedia.org/wikipedia/commons/thumb/b/b5/Organelles_of_the_Secretory_Pathway.png/551px-Organelles_of_the_Secretory_Pathway.png>

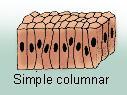
Description **English:** This image shows the organelles that make up the pathway of cellular secretion.

Date 31 January 2013, 15:26:33

Source <http://open.umich.edu/education/med/resources/second-look-series/materials> - Cell Biology Slide 11; Histology of Glands Slide 4

Author Artwork by Holly Fischer

**Tissues**



<https://commons.wikimedia.org/wiki/File:Simple_columnar_epithelium.jpg>

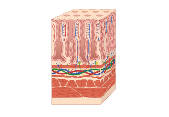
<https://upload.wikimedia.org/wikipedia/commons/d/dd/Simple_columnar_epithelium.jpg>

Description Simple\_columnar\_epithelium

Date 30 January 2008

Source [[1]](http://training.seer.cancer.gov/module_anatomy/images/illu_epithelium.jpg) and [Image:Illu epithelium.jpg](https://commons.wikimedia.org/wiki/File:Illu_epithelium.jpg)

Author Made, for the sake of free knowledge to all mankind, by Mikael Häggström ([User:Mikael Häggström](https://commons.wikimedia.org/wiki/User:Mikael_H%C3%A4ggstr%C3%B6m" \o "User:Mikael Häggström))



<https://commons.wikimedia.org/wiki/File:Histology_of_Stomach.svg>

<https://upload.wikimedia.org/wikipedia/commons/thumb/c/c9/Histology_of_Stomach.svg/512px-Histology_of_Stomach.svg.png>

Description **English:** The stomach wall and layers of the digestive tract.

Date 29 March 2020

Source Own work based on: [2415 Histology of StomachN esp.png](https://commons.wikimedia.org/wiki/File:2415_Histology_of_StomachN_esp.png) *by* [OpenStax College](https://commons.wikimedia.org/w/index.php?title=User:OpenStax_College&action=edit&redlink=1)

Author [Collectivedogs](https://commons.wikimedia.org/wiki/User:Collectivedogs)

**Organs**

<https://upload.wikimedia.org/wikipedia/commons/thumb/a/a9/3D_Medical_Animation_Muscular_Layers_of_stomach.jpg/800px-3D_Medical_Animation_Muscular_Layers_of_stomach.jpg>

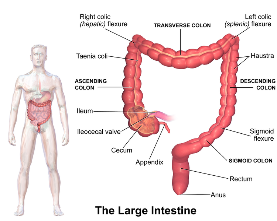
<https://commons.wikimedia.org/wiki/File:3D_Medical_Animation_Muscular_Layers_of_stomach.jpg>

Description **English:** 3D Medical Animation still shot of Muscular layers of stomach

Date 15 July 2020

Source <https://www.scientificanimations.com/wiki-images/>

Author <https://www.scientificanimations.com>



<https://upload.wikimedia.org/wikipedia/commons/thumb/8/8b/Blausen_0604_LargeIntestine2_eu.svg/750px-Blausen_0604_LargeIntestine2_eu.svg.png>

<https://commons.wikimedia.org/wiki/File:Blausen_0604_LargeIntestine2.png>

Description **English:** The Large Intestine. See a [related animation](http://blausen.com/?Topic=1548) of this medical topic.

Date 8 October 2013, 10:53:10

Source Own work

Author [BruceBlaus](https://commons.wikimedia.org/wiki/User:BruceBlaus). When using this image in external sources it can be cited as:

Blausen.com staff (2014). "[Medical gallery of Blausen Medical 2014](https://en.wikiversity.org/wiki/WikiJournal_of_Medicine/Medical_gallery_of_Blausen_Medical_2014)". WikiJournal of Medicine **1** (2). [DOI](https://en.wikipedia.org/wiki/Digital_object_identifier):[10.15347/wjm/2014.010](https://doi.org/10.15347/wjm/2014.010). [ISSN](https://en.wikipedia.org/wiki/International_Standard_Serial_Number) [2002-4436](https://www.worldcat.org/issn/2002-4436).

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Ticket link: <https://ticket.wikimedia.org/otrs/index.pl?Action=AgentTicketZoom&TicketNumber=2013061010006654>

**Systems**

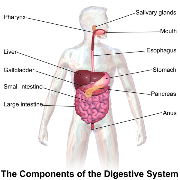
<https://upload.wikimedia.org/wikipedia/commons/1/1d/Stomach.png>

Description **English:** Organ available for use in the [Häggström diagrams](https://commons.wikimedia.org/wiki/H%C3%A4ggstr%C3%B6m_diagrams)

Date 19 September 2010

Source [File:Gray1050-stomach.png](https://commons.wikimedia.org/wiki/File:Gray1050-stomach.png)

Author [Mikael Häggström](https://commons.wikimedia.org/wiki/User:Mikael_H%C3%A4ggstr%C3%B6m)

<https://commons.wikimedia.org/wiki/File:Blausen_0316_DigestiveSystem.png>

<https://upload.wikimedia.org/wikipedia/commons/thumb/1/14/Blausen_0316_DigestiveSystem.png/600px-Blausen_0316_DigestiveSystem.png>

Description **English:** Digestive System. See a [full animation](http://blausen.com/?Topic=9268) of this medical topic.

Date 5 September 2013, 16:38:38

Source Own work

Author [BruceBlaus](https://commons.wikimedia.org/wiki/User:BruceBlaus). When using this image in external sources it can be cited as:

Blausen.com staff (2014). "[Medical gallery of Blausen Medical 2014](https://en.wikiversity.org/wiki/WikiJournal_of_Medicine/Medical_gallery_of_Blausen_Medical_2014)". WikiJournal of Medicine **1** (2). [DOI](https://en.wikipedia.org/wiki/Digital_object_identifier):[10.15347/wjm/2014.010](https://doi.org/10.15347/wjm/2014.010). [ISSN](https://en.wikipedia.org/wiki/International_Standard_Serial_Number) [2002-4436](https://www.worldcat.org/issn/2002-4436).

**Organism**

<https://commons.wikimedia.org/wiki/File:Female_shadow_anatomy_without_labels.png>

<https://upload.wikimedia.org/wikipedia/commons/thumb/7/7d/Female_shadow_anatomy_without_labels.png/197px-Female_shadow_anatomy_without_labels.png>

Description **English:** Template for use in [Inkscape](https://en.wikipedia.org/wiki/Inkscape) to make diagrams. Further information at project main page: [Human body diagrams](https://commons.wikimedia.org/wiki/Human_body_diagrams). To discuss image, please see [Talk:Human body diagrams](https://commons.wikimedia.org/wiki/Talk:Human_body_diagrams)

Date 22 April 2013

Source All used images are in public domain.

Author [Mikael Häggström](https://commons.wikimedia.org/wiki/User:Mikael_H%C3%A4ggstr%C3%B6m)

[ISSN](https://en.wikipedia.org/wiki/International_Standard_Serial_Number) [2002-4436](https://www.worldcat.org/issn/2002-4436).