

BIBLIOGRAPHY (module 4)

As with the other modules, I consulted the following textbook quite heavily, both to fact check and to gauge the level of difficulty.

Mader, Sylvia, Human Biology 9th edition, published by McGraw Hill Higher Education, copyright 2006.

Here is the list of the online resources I used. (I am sure I probably forgot to write down a few, but at least this list gives a good idea of how much research and reading went into each drawing.)

Skin, hair, nails

<https://www.derm101.com/inflammatory/embryologic-histologic-and-anatomic-aspects/melanocytes/>
<http://aibolita.com/nervous-diseases/46995-somatosensory-receptors-mechanoreceptors.html>
https://en.wikipedia.org/wiki/Merkel_cell
<http://biologiedelapeau.fr/spip.php?article41>
[http://www.jdsjournal.com/article/S0923-1811\(06\)00359-8/abstract](http://www.jdsjournal.com/article/S0923-1811(06)00359-8/abstract)
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2671032/>
<https://www.youtube.com/watch?v=RD0waXH62AI>
<https://www.youtube.com/watch?v=9NM43j8oPYc>
<https://academic.oup.com/abbs/article/46/4/255/1300/The-biology-of-melanocyte-and-melanocyte-stem-cell>
<http://www.sciencedirect.com/science/article/pii/S0022202X15526857>
<http://www.nature.com/stemcells/2008/0810/081023/full/stemcells.2008.137.html>
<http://www.newworldencyclopedia.org/entry/Keratin>
<https://courses.lumenlearning.com/boundless-biology/chapter/somatosensation/>

Spleen

<http://www.78stepshealth.us/heavy-chain/secondary-lymphoid-organs.html>
<http://tpx.sagepub.com/content/34/5/455.full>
<https://www.youtube.com/watch?v=JFylMIALOTs>
<https://www.youtube.com/watch?v=RezL2xWFCe8&t=312s>

Lymph nodes

https://embryology.med.unsw.edu.au/embryology/index.php/SH_Lecture_-_Lymphatic_Structure_and_Organs
https://en.wikipedia.org/wiki/Lymph_node
<https://www.slideshare.net/AbinoDavid/anatomy-of-lymph-node>
<https://www.youtube.com/watch?v=ofaLGzsn9vQ>
<https://www.immunology.org/public-information/bitesized-immunology/organs-and-tissues/lymph-node>
https://en.wikipedia.org/wiki/High_endothelial_venules
http://www.nature.com/nri/journal/v9/n12/fig_tab/nri2657_F3.html?foxtrotcallback=true

Teeth and tongue

<https://www.hindawi.com/journals/isrn/2013/684607/fig1/>
<https://www.slideshare.net/drpiyush009/enamel-39156346>
<https://en.wikipedia.org/wiki/Cementum>
https://en.wikipedia.org/wiki/Periodontal_fiber
https://en.wikipedia.org/wiki/Periodontal_fiber
<http://emedicine.medscape.com/article/1899434-overview#a2>
https://en.wikipedia.org/wiki/Frenulum_of_tongue
<https://en.wikipedia.org/wiki/Hydroxylapatite>
https://en.wikipedia.org/wiki/Mucous_membrane
<https://en.wikipedia.org/wiki/Tongue>

Mouth, nose and throat

<https://www.youtube.com/watch?v=3NLd8zrMdS4>
<https://www.youtube.com/watch?v=-msOJE4Mi-k>
<https://cerebrovortex.com/2014/07/24/hyoid-the-floating-bone/>
<https://www.slideshare.net/joedsilvain/salivary-glands-anatomy-applied-aspects>
https://en.wikipedia.org/wiki/Olfactory_receptor
<http://www.sciencedirect.com/topics/neuroscience/olfactory-receptor-neuron>

Ears

https://en.wikipedia.org/wiki/Audio_frequency
https://en.wikipedia.org/wiki/Hearing_range
<https://www.urmc.rochester.edu/encyclopedia/content.aspx?ContentTypeID=90&ContentID=P02025>
<https://en.wikipedia.org/wiki/Ear>

Eyes

<https://www.youtube.com/watch?v=17GOMMPXa3Q> (ophthamologists's video)
<https://www.youtube.com/watch?v=7lBtIGvS1Gc> (Anatomy zone)
https://www.youtube.com/watch?v=_aGL9dU-Lnk
https://www.youtube.com/watch?v=f_rb6FMVHPk&t=1s
<https://www.youtube.com/watch?v=4kpXKu5QKww&t=24s> (Armando Hasudugan)
https://www.youtube.com/watch?v=l8_fZPHasdo (TED-Ed)
<https://www.youtube.com/watch?v=Fm45A4yjmvo&t=9s> (Leslie Samuel)
<https://www.quora.com/What-is-the-function-of-the-caruncle-of-the-eye>
https://en.wikipedia.org/wiki/Schlemm%27s_canal
<https://www.sciencelearn.org.nz/resources/50-how-the-eye-focuses-light>
https://en.wikipedia.org/wiki/List_of_refractive_indices
<http://hubel.med.harvard.edu/book/b13.htm>
https://en.wikipedia.org/wiki/Retina_bipolar_cell
<https://www.youtube.com/watch?v=X86ZiZEGfXg> (Craig Blackwell on structure of rods)
<https://www.youtube.com/watch?v=NLCYf1VV3M> (Dr. Marwa Azab)
<http://webvision.med.utah.edu/book/part-ii-anatomy-and-physiology-of-the-retina/the-retinal-pigment-epithelium/>

Thyroid

<http://www.patient.co.uk/health/the-thyroid-and-parathyroid-glands>
<https://en.wikipedia.org/wiki/Transthyretin>
<https://en.wikipedia.org/wiki/Thyroid>
https://en.wikipedia.org/wiki/Thyroxine-binding_globulin
<http://www.vivo.colostate.edu/hbooks/pathophys/endocrine/thyroid/chem.html>
<https://www.nursingcenter.com/nblog/march-2018/t3-and-t4-%E2%80%93-what%E2%80%99s-the-difference>
<https://www.ncbi.nlm.nih.gov/pubmed/22002789> (transthyretin and Alzheimers)

Brain

https://en.wikipedia.org/wiki/Basal_ganglia
<https://www.thoughtco.com/basal-ganglia-function-4086411>
<https://www.kenhub.com/en/library/anatomy/fornix-of-the-brain>
<https://www.neuroscientificallychallenged.com/blog/know-your-brain-fornix>
<https://www.youtube.com/watch?v=kMKc8nfPATI>
<https://www.neuroscientificallychallenged.com/blog/know-your-brain-mammillary-bodies>
<https://en.wikipedia.org/wiki/Amygdala>
<https://www.thoughtco.com/cingulate-gyrus-and-the-limbic-system-4078935>
http://file.scirp.org/pdf/NM_2012123116010168.pdf
<https://healthfully.com/right-temporal-lobe-functions-35962.html>
<https://en.wikipedia.org/wiki/Neocortex>

Brain, continued

https://en.wikipedia.org/wiki/Inferior_colliculus
<https://www.youtube.com/watch?v=qgZ7NBsvZuM>
<https://medicalxpress.com/news/2013-12-biochemical-mechanisms-memory.html>
<https://www.youtube.com/watch?v=sqLb-lzbbWA> (overview of ventricles)
<https://www.youtube.com/watch?v=2OwxdqjM4-g> (lecture on CSF)
<https://www.youtube.com/watch?v=sO1z6Ns3pBg> (Dr. Mobeen on CSF)
<https://www.slideshare.net/vacagodx/memory-3546180>

Blood vessels

<https://en.wikipedia.org/wiki/Capillary>
<https://www.youtube.com/watch?v=MFydNeGomec>
<http://www.onlinejacc.org/content/65/23/2478>
<https://www.webmd.com/cholesterol-management/cholesterol-and-artery-plaque-buildup#1>
<http://www.innerbody.com/image/cardov.html>

Lungs

<https://academic.oup.com/bjaed/article/5/6/207/331369>
https://en.wikipedia.org/wiki/Pulmonary_surfactant
https://en.wikipedia.org/wiki/Pulmonary_alveolus
https://en.wikipedia.org/wiki/Serous_membrane
<https://courses.lumenlearning.com/wm-biology2/chapter/transport-of-carbon-dioxide-in-the-blood/>

Liver

<https://www.medicalnewstoday.com/articles/305075.php>
<https://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0072577/>
<https://www.youtube.com/watch?v=L61Z2uV-jOw>
<https://en.wikipedia.org/wiki/Hepatocyte>
https://www.youtube.com/watch?v=a1vgszd5_yM (Armando Hasudungen)
https://en.wikipedia.org/wiki/Hepatic_stellate_cell
<http://www.vivo.colostate.edu/hbooks/pathphys/digestion/liver/metabolic.html>
<https://www.ncbi.nlm.nih.gov/pubmed/20687473>
https://en.wikipedia.org/wiki/C-reactive_protein
https://www.histology.leeds.ac.uk/digestive/liver_hepatocyte.php
<http://www.rsc.org/Education/Teachers/Resources/cfb/excretion.htm>
<http://livehealthy.chron.com/required-emulsification-fats-4443.html>
https://en.wikipedia.org/wiki/Bile_acid
<https://www.sciencedirect.com/topics/neuroscience/kupffer-cell>
http://www.innerbody.com/image_digeov/card10-new2.html

Stomach and pancreas

<https://www.earthslab.com/anatomy/stomach/>
<https://www.sciencedirect.com/topics/neuroscience/little-gastrin-i>
https://en.wikipedia.org/wiki/Digestive_enzyme
<https://www.quizover.com/course/section/histology-digestive-system-module-4-the-stomach-by-openstax>
<http://www.vivo.colostate.edu/hbooks/pathphys/digestion/pancreas/exocrine.html>
<https://en.wikipedia.org/wiki/Pancreas>
https://en.wikipedia.org/wiki/Pancreatic_polypeptide
<https://www.pancreapedia.org/reviews/anatomy-and-histology-of-pancreas>
<https://www.britannica.com/science/islets-of-Langerhans>
<http://www.yourhormones.info/hormones/somatostatin/>

Intestines and mesentery

<https://www.youtube.com/watch?v=3REt5AI4xO0> (explanation of peritoneum using 3D graphics)
https://www.youtube.com/watch?v=xHG_179xNcI (explanation of mesentery by Sam Weaver)
<https://en.wikipedia.org/wiki/Mesentery>
<http://www.differencebetween.net/science/health/difference-between-jejunum-and-ileum/>
https://en.wikipedia.org/wiki/Lamina_propria
https://en.wikipedia.org/wiki/Muscularis_mucosae
<http://www.vivo.colostate.edu/hbooks/pathphys/digestion/basics/peritoneum.html>
https://en.wikipedia.org/wiki/Intestinal_gland
<http://teachmeanatomy.info/abdomen/viscera/mesentery/>
<https://en.wikipedia.org/wiki/Mesentery>
<https://en.wikipedia.org/wiki/Mesothelium>
https://en.wikipedia.org/wiki/Retroperitoneal_space
<https://www.kenhub.com/en/library/anatomy/mediastinum>
https://www.youtube.com/watch?v=Uo3jDAXR_Ww (Anatomy Zone)
<https://www.youtube.com/watch?v=uhtWz5b6mSI> (Anatomy Zone)
https://www.youtube.com/watch?v=xHG_179xNcI (Sam Webster)

Urinary system

https://en.wikipedia.org/wiki/Urethral_sphincters
<https://www.youtube.com/watch?v=Ioir82UA9x4> (Armando Hasudungan)
<https://www.nih.gov/news-events/nih-research-matters/how-body-regulates-salt-levels>
<https://en.wikipedia.org/wiki/Erythropoietin>
<https://www.ncbi.nlm.nih.gov/pubmed/1928074>
https://www.youtube.com/watch?v=n_hgboKS4E8 (role of ADH on collecting tubes in nephron)

Bones

<https://www.conversantbio.com/blog/red-bone-marrow-vs.-yellow-bone-marrow-what-is-the-difference>
<https://ask.metafilter.com/39748/Ahh-I-have-blood>
https://en.wikipedia.org/wiki/Epiphyseal_plate
<https://veteriankey.com/bones-joints-tendons-and-ligaments/>

Muscles

<https://www.youtube.com/watch?v=vCkAV-p8QHE> (cardiac muscles energy sources)
<https://courses.kcumb.edu/physio/smoothmuscle/energetics.htm>
<http://medcell.med.yale.edu/lectures/muscle.php>
https://en.wikipedia.org/wiki/Intercalated_disc
<https://en.wikipedia.org/wiki/Creatine>
<https://examples.yourdictionary.com/smooth-muscle-examples.html>
https://en.wikipedia.org/wiki/Muscle_tone
<https://greatist.com/fitness/what-are-fast-and-slow-twitch-muscles>
<https://www.youtube.com/watch?v=PVXEamQJ7KI>

Glands

https://en.wikipedia.org/wiki/Exocrine_gland
https://en.wikipedia.org/wiki/Peptide_hormone
https://en.wikipedia.org/wiki/Cyclic_adenosine_monophosphate
https://en.wikipedia.org/wiki/Growth_hormone
<http://www.vivo.colostate.edu/hbooks/pathphys/endocrine/hypopit/lhsh.html>
<https://www.youtube.com/watch?v=MR8BABoFTP8> (ADH in collecting ducts)
<https://www.drugs.com/answers/norepinephrine-epinephrine-difference-3132946.html>
<https://en.wikipedia.org/wiki/Glucocorticoid>
<http://www.pathologyoutlines.com/topic/adrenalglandhistology.html>

Autonomic nervous system

https://www.youtube.com/watch?v=D96mSg2_h0c

https://en.wikipedia.org/wiki/Fight-or-flight_response

Reproductive systems

<http://www.lab.anhb.uwa.edu.au/mb140/corepages/malerepro/malerepro.htm>

https://en.wikipedia.org/wiki/Corpus_cavernosum_penis

<https://emedicine.medscape.com/article/1949325-overview>

<https://www.livescience.com/32751-what-does-the-prostate-gland-do.html>

https://en.wikipedia.org/wiki/Seminal_vesicle

<https://en.wikipedia.org/wiki/Epididymis>

https://en.wikipedia.org/wiki/Bulbourethral_gland

<https://en.wikipedia.org/wiki/Spermatogenesis>