

OPENSTAX HUMAN ANATOMY & PHYSIOLOGY

PRONUNCIATION GUIDE

| Chapter | Module | Key Term | Pronunciation |
|---------|--------|---------------------------|---------------------------------|
| 24 | 5 | cecum | se'kum |
| 3 | 2 | centriole | sen'tre-ol |
| 13 | 3 | cerebral aqueduct | ser'ě-bral, sě-re'bral |
| 12 | 3 | cerebral cortex | ser'ě-bral, sě-re'bral kor'teks |
| 14 | 3 | cerebral peduncles | ser'ě-bral, sě-re'bral |
| 12 | 2 | cerebrospinal fluid (CSF) | ser"ě-bro-spi'nal |
| 3 | 1 | channel protein | pro'tēn |
| 14 | 1 | chemoreceptor | ke"mo-re-sep'ter |
| 25 | 3 | cholecystokinin (CCK) | ko"le-sis"to-ki'nin |
| 4 | 3 | chondrocytes | kon'dro-sīts |
| 14 | 1 | choroid | ko'roid |
| 3 | 3 | chromatin | kro'mah-tin |
| 3 | 3 | chromosome | kro'mo-somz |
| 24 | 2 | chyme | kīm |
| 3 | 2 | cilia | sil'e-ah |
| 9 | 5 | circumduction | ser"kum-duk'shun |
| 22 | 1 | cisterna chyli | sis-ter'nah ki'li |
| 14 | 1 | cochlear duct | dukt |
| 3 | 4 | codon | ko'don |
| 2 | 4 | colloid | kol'oid |
| 14 | 1 | cone photoreceptor | fo"to-re-sep'tor |
| 14 | 1 | conjunctiva | kon"junkt-ti'vah |
| 14 | 1 | cornea | kor'ne-ah |
| 29 | 1 | corona radiata | kor-o'nah ra-de-ah'tah |
| 18 | 6 | cortisol | kor'tih-sol |
| 2 | 2 | covalent bond | ko-va'lent |
| 7 | 2 | cranium | kra'ne-um |
| 10 | 3 | creatine phosphate | kre'ah-tin fos-fāt |
| 4 | 1 | cutaneous membrane | ku-ta'ne-us |
| 3 | 5 | cytokinesis | si"to-kĩ-ne'sis |
| 3 | 2 | cytoplasm | si'to-plazm |

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| 24 | 2 | defecation | def''ih-ka'shun |
| 24 | 3 | deglutition | deg''loo-tish'un |
| 27 | 2 | dehydration | de''hi-dra'shun |
| 12 | 1 | dendrite | den'drīt |
| 2 | 5 | deoxyribonucleic acid | de-ok''sī-ri''bo-nu-kla'ik |
| 12 | 4 | depolarization | de-po''ler-ah-za'shun |
| 5 | 2 | dermal papilla | pah-pil'ah |
| 5 | 1 | desmosome | dez'muh-sōm |
| 19 | 4 | diapedesis | di''ah-pě-de'sis |
| 6 | 3 | diaphysis | di-af''ī-sis |
| 20 | 3 | diastole | di-as'to-le |
| 6 | 3 | diploë | dip'lo-e |
| 16 | 3 | diplopia | dī-plo'pe-ah |
| 3 | 3 | DNA polymerase | de-ok''sī-ri''bo-nu-kla'ik |
| 3 | 3 | DNA replication | de-ok''sī-ri''bo-nu-kla'ik |
| 13 | 3 | dural sinus | si'nus |
| 5 | 2 | eccrine sweat gland | ek'rin |
| 16 | 1 | edema | ě-de'mah |
| 12 | 5 | effector protein | ef-ek'ter pro'tēn |
| 28 | 1 | ejaculatory duct | dukt |
| 4 | 3 | elastic cartilage | kar'tī-lij |
| 20 | 2 | electrocardiogram (ECG or EKG) | e-lek''tro-car'de-o-gram'' |
| 20 | 1 | endocardium | en''do-kar'de-um |
| 6 | 4 | endochondral ossification | en''do-kon'dral os''ī-fi-ka'shun |
| 4 | 1 | endoderm | en'do-derm |
| 28 | 2 | endometrium | en''do-me'tre-um |
| 10 | 2 | endomysium | en''do-mis'e-um |
| 6 | 3 | endosteum | en-dos'te-um |
| 4 | 2 | endothelium | en''do-the'le-um |
| 13 | 4 | enteric plexus | plek'sus |
| 2 | 3 | enzyme | en'zīm |
| 12 | 2 | ependymal cell | ě-pen'dī-mul |
| 5 | 1 | epidermis | ep''ī-der'mis |
| 28 | 1 | epididymis | ep''ī-dī'dī-mis |
| 23 | 1 | epiglottis | eh''puh-glah'tis |
| 10 | 2 | epimysium | ep''ī-mis'e-um |
| 15 | 1 | epinephrine | ep''ī-nef'rin |
| 6 | 4 | epiphyseal line | e''pī-fis'e-ul |
| 6 | 3 | epiphyseal plate | e''pī-fis'e-ul |
| 4 | 1 | epithelial tissue | ep''ī-the'le-ul |
| 19 | 3 | erythrocyte | e-rith'ro-sīt |
| 18 | 8 | estrogens | es'tro-jenz |
| 4 | 2 | exocrine gland | ek'so-krin |

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| 3 | 1 | exocytosis | ek''so-si-to'sis |
| 7 | 2 | external acoustic meatus | me-a'tus |
| 24 | 5 | external anal sphincter | sfink'ter |
| 26 | 2 | external urinary sphincter | sfink'ter |
| 14 | 1 | exteroceptor | ek''ster-o-sep'tor |
| 11 | 3 | extrinsic eye muscles | ek-strin'sik |
| 3 | 1 | facilitated diffusion | dī-fu'zhun |
| 11 | 1 | fascicle | fas'ī-kl |
| 10 | 5 | fast oxidative (FO) | ok'sī-da''tiv |
| 24 | 5 | feces | fe'sēz |
| 19 | 5 | fibrin | fi'brin |
| 19 | 1 | fibrinogen | fi-brin'o-jin |
| 4 | 3 | fibroblast | fi'bro-blast |
| 9 | 6 | fibular collateral ligament | lig'ah-ment |
| 11 | 1 | fixator | fix'a-ter |
| 25 | 1 | flavin adenine dinucleotide (FAD) | ad'ě-nēn |
| 9 | 5 | flexion | flek'shun |
| 28 | 2 | follicle | fah'lih-kul |
| 18 | 3 | follicle-stimulating hormone (FSH) | fah'lih-kul |
| 7 | 2 | foramen lacerum | fo-ra'men |
| 7 | 2 | foramen magnum | fo-ra'men |
| 29 | 3 | foramen ovale | fo-ra'men |
| 7 | 2 | foramen ovale of the middle cranial fossa | fo-ra'men fos'ah |
| 7 | 2 | foramen rotundum | fo-ra'men |
| 7 | 2 | foramen spinosum | fo-ra'men |
| 7 | 2 | frontal sinus | si'nus |
| 28 | 2 | fundus | fun'dus |
| 18 | 2 | G protein | pro'tēn |
| 28 | 1 | gamete | gam'ēt |
| 12 | 1 | ganglion | gang'gle-on |
| 15 | 1 | ganglionic neuron | gan''gle-ah'nik nu'ron |
| 29 | 2 | gastrulation | gas''troo-la'shun |
| 29 | 7 | genotype | jen'o-tīp |
| 28 | 1 | glans penis | pe'nis |
| 9 | 6 | glenohumeral ligament | lig'ah-ment |
| 12 | 1 | glial cell | gle'al |
| 26 | 5 | glomerular filtration rate (GFR) | glo-mer'yoo-ler |
| 23 | 1 | glottis | glah'tis |
| 18 | 9 | glucagon | gloo'kah-gon |
| 18 | 6 | glucocorticoids | gloo''ko-kor'tī-koidz |
| 25 | 2 | gluconeogenesis | gloo''ko-ne''o-jen'ě-sis |
| 3 | 1 | glycocalyx | gli''ko-kal'iks |
| 25 | 2 | glycolysis | gli-kol'ī-sis |

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| 3 | 2 | Golgi apparatus | gol'je |
| 28 | 1 | gonadotropin-releasing hormone (GnRH) | gon"ah-do-trōp'in |
| 18 | 3 | gonadotropins | gon"ah-do-trōp'inz |
| 28 | 1 | gonads | go'nads |
| 15 | 1 | greater splanchnic nerve | splangk'nik |
| 14 | 1 | gustation | gus-ta'shun |
| 14 | 1 | gustatory receptor cells | re-sep'tor |
| 7 | 2 | hard palate | pal'at |
| 19 | 1 | hematocrit | he-mat'o-krit |
| 6 | 1 | hematopoiesis | hem"ah-to-poi-e'sis |
| 19 | 3 | heme | hēm |
| 19 | 3 | hemoglobin | he'muh-glo-bin |
| 19 | 5 | hemophilia | he"mo-fil'e-ah |
| 19 | 2 | hemopoiesis | he"mo-poi-e'sis |
| 19 | 5 | hemostasis | he"mo-sta'sis |
| 24 | 6 | hepatic artery | hě-pat'ik |
| 21 | 5 | hepatic artery proper | hě-pat'ik |
| 21 | 5 | hepatic portal system | hě-pat'ik |
| 24 | 6 | hepatic portal vein | hě-pat'ik vān" |
| 24 | 6 | hepatic vein | hě-pat'ik vān" |
| 24 | 5 | hepatopancreatic ampulla | pan"kre-at'ik am-pul'lah |
| 24 | 5 | hepatopancreatic sphincter | pan"kre-at'ik sfink'ter |
| 29 | 7 | heterozygous | het"er-o-zi'gus |
| 22 | 2 | histamine | his'tuh-mēn |
| 4 | 1 | histology | his-tol'o-je |
| 1 | 5 | homeostasis | ho"me-o-sta'sis |
| 3 | 5 | homologous | ho-mol'ō-gus |
| 29 | 7 | homozygous | ho-mo-zi'gus |
| 4 | 3 | hyaline cartilage | hi'ah-līn kar'tī-lij |
| 27 | 4 | hypercapnia | hi"per-kap'ne-ah |
| 18 | 9 | hyperglycemia | hi"per-gli-se'me-ah |
| 10 | 8 | hyperplasia | hi"per-pla'ze-ah |
| 10 | 6 | hypertrophy | hi-per'trah-fe |
| 7 | 2 | hypophyseal (pituitary) fossa | hi"po-fiz'-e-al (pī-tu'ih-tayr"e) fos'ah |
| 18 | 3 | hypophyseal portal system | hi"po-fiz'-e-al sis-tem |
| 13 | 2 | hypothalamus | hi"po-thal'ah-mus |
| 21 | 4 | hypovolemic shock | hi"po-vo-le'mik |
| 20 | 1 | hypoxia | hi-pok'se-ah |
| 24 | 5 | ileocecal sphincter | il"e-o-se'kal sfink'ter |
| 24 | 5 | ileum | il'e-um |
| 9 | 6 | iliofemoral ligament | lig'ah-ment |
| 15 | 1 | inferior mesenteric ganglion | mes"en-ter'ik gang'gle-on |
| 4 | 6 | inflammation | in"flah-ma'shun |

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| 7 | 2 | infraorbital foramen | fo-ra'men |
| 18 | 3 | infundibulum | in"fun-dib'u-lum |
| 12 | 5 | inhibitory post-synaptic potential (IPSP) | post-si-nap'tik |
| 3 | 1 | integral protein | pro'tēn |
| 5 | 1 | integumentary system | in-teg"u-men'tar-e sis-tem |
| 10 | 7 | intercalated disc | in-ter'kah-la"ted |
| 22 | 2 | interferons | in-ter-fēr'ons |
| 7 | 2 | internal acoustic meatus | me-a'tus |
| 24 | 5 | internal anal sphincter | sfink'ter |
| 13 | 3 | internal carotid artery | kar-rot'id |
| 14 | 1 | interoceptor | in"ter-o-sep'tor |
| 27 | 1 | interstitial fluid (IF) | in"ter-stish'al |
| 7 | 3 | intervertebral disc | in"ter-ver'teh-brul |
| 6 | 4 | intramembranous ossification | os"i-fi-ka'shun |
| 2 | 2 | ion | ī'on |
| 2 | 2 | ionic bond | ī-ah'nik |
| 9 | 6 | ischiofemoral ligament | lig'ah-ment |
| 10 | 4 | isometric contraction | i"so-mē'trik |
| 10 | 4 | isotonic contraction | i"so-tah'nik |
| 2 | 1 | isotope | i'so-tōp |
| 24 | 5 | jejunum | jě-joo'num |
| 7 | 2 | jugular foramen | fo-ra'men |
| 26 | 4 | juxtaglomerular apparatus (JGA) | juks"tah-glo-mer'u-lar |
| 5 | 1 | keratin | ker'ah-tin |
| 25 | 3 | ketone bodies | ke'tōn |
| 2 | 3 | kinetic energy | ki-net'ik |
| 28 | 2 | labia majora | la'be-ah |
| 28 | 2 | labia minora | la'be-ah |
| 7 | 2 | lacrimal bone | lak'ri-mal |
| 14 | 1 | lacrimal gland | lak'ri-mal |
| 29 | 6 | lactation | lak-ta'shun |
| 24 | 5 | lacteal | lak'te-al |
| 10 | 3 | lactic acid | lak'tik |
| 28 | 2 | lactiferous ducts | dukts |
| 28 | 2 | lactiferous sinus | si'nus |
| 7 | 2 | lambdoid suture | soo'cher |
| 4 | 1 | lamina propria | lam"i-nah |
| 23 | 1 | laryngopharynx | fayr'inks |
| 23 | 1 | larynx | lar'ingks |
| 13 | 2 | lateral sulcus | sul'kus |
| 19 | 4 | leukocytosis | loo"ko-si-to'sis |
| 19 | 4 | leukopenia | loo"ko-pe'ne-ah |
| 13 | 2 | limbic system | lim'bik sis-tem |

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| 2 | 5 | lipids | lih'pids |
| 25 | 3 | lipogenesis | lĭ-po-jen'eh-sis |
| 24 | 7 | lipoprotein lipase | lĭ-po-pro'tĕn |
| 13 | 2 | longitudinal fissure | fih'sher |
| 14 | 3 | lumbar enlargement | lum'bar |
| 13 | 4 | lumbar plexus | lum'bar plek'sus |
| 13 | 3 | lumbar puncture | lum'bar |
| 7 | 3 | lumbar vertebrae | lum'bar |
| 21 | 1 | lumen | loo'min |
| 18 | 3 | luteinizing hormone (LH) | lu'te-in-ĭz''ing |
| 22 | 1 | lymph node | limf |
| 22 | 1 | lymphatic capillaries | lim-fat'ik kap'il-layr''ĕs |
| 22 | 1 | lymphatic trunks | lim-fat'ik |
| 3 | 2 | lysosome | li'so-sōm |
| 19 | 3 | macrophage | mak'ro-fāj'' |
| 14 | 1 | macula | mak'u-lah |
| 24 | 5 | major duodenal papilla | pah-pil'ah |
| 28 | 2 | mammary glands | mam'mer-e |
| 7 | 2 | mandible | man'dĭ-bl |
| 7 | 2 | mandibular fossa | fos'ah |
| 24 | 2 | mastication | mas''tĭ-ka'shun |
| 7 | 2 | maxillary sinus | si'nus |
| 14 | 1 | mechanoreceptor | meh''kĕ-no-re-sep'tor |
| 14 | 2 | medial geniculate nucleus | me'de-ahl nu'kle-is |
| 5 | 2 | medulla | mĕ-dul'ah |
| 5 | 1 | melanin | mel'ah-nin |
| 18 | 7 | melatonin | mel''ah-to'nin |
| 28 | 2 | menarche | mĕ-nar'ke |
| 13 | 3 | meninges | mĕ-nin'jĕz |
| 13 | 1 | mesencephalon | mes''en-sef'ah-lon |
| 4 | 3 | mesenchyme | meh'zin-kĭm |
| 4 | 1 | mesoderm | mez'o-derm |
| 27 | 5 | metabolic acidosis | mĕt''ah-bol'ik as''ĭ-do'sis |
| 27 | 5 | metabolic alkalosis | mĕt''ah-bol'ik al''kah-lo'sis |
| 25 | 6 | metabolic rate | mĕt''ah-bol'ik |
| 1 | 3 | metabolism | mĕ-tab'o-lizm |
| 12 | 5 | metabotropic receptor | re-sep'tor |
| 5 | 4 | metastasis | mĕ-tas'tah-sis |
| 3 | 2 | microfilament | mi''kro-fil'ah-ment |
| 12 | 2 | microglia | mi-kro'gle-ah |
| 3 | 2 | microtubule | mi''kro-tu'būl |
| 26 | 2 | micturition | mik''tu-rish'un |
| 7 | 2 | middle cranial fossa | fos'ah |

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| 18 | 6 | mineralocorticoids | min"er-al"ō-kor'tih-koydz |
| 25 | 7 | minerals | min'er-alz |
| 3 | 2 | mitochondrion | mi"to-kon'dre-on |
| 24 | 3 | molar | mo'lar |
| 22 | 2 | monocyte | mon'o-sīt |
| 2 | 5 | monosaccharide | mon"o-sak'ah-rīd |
| 29 | 2 | morula | mor'u-lah |
| 4 | 1 | mucous membrane | myoo'kus |
| 24 | 4 | mucous neck cell | myoo'kus |
| 15 | 1 | muscarinic receptor | mus"kah-rin'ik re-sep'tor |
| 12 | 2 | myelin sheath | mi'ě-lin |
| 20 | 1 | myocardial infarction | mi"o-kar'de-al in-fark'shun |
| 20 | 1 | myocardium | mi"o-kar'de-um |
| 10 | 2 | myofibril | mi"o-fi'bril |
| 28 | 2 | myometrium | mi"o-me'tre-um |
| 23 | 1 | nasal bone | na'sal |
| 7 | 2 | nasal cavity | na'sal |
| 7 | 2 | nasal septum | na'sal |
| 26 | 3 | nephrons | nef'rons |
| 13 | 4 | nerve plexus | plek'sus |
| 4 | 5 | neuroglia | nu-rog'le-ah |
| 12 | 1 | neuron | nu'ron |
| 12 | 5 | neuropeptide | nu"ro-pep'tīd |
| 2 | 1 | neutron | nu'tron |
| 25 | 1 | nicotinamide adenine dinucleotide (NAD) | ad'ě-něn dī-nu'kle-o-tīd |
| 12 | 5 | nicotinic receptor | nik"o-tin'ik re-sep'tor |
| 14 | 1 | nociceptor | no"se-sep'tor |
| 29 | 5 | nonshivering thermogenesis | ther"mo-jen'ě-sis |
| 15 | 1 | norepinephrine | nor"ep-ī-nef'rin |
| 3 | 3 | nucleolus | nu-kle'o-lus |
| 3 | 3 | nucleosome | nu'kle-o-sōm |
| 2 | 5 | nucleotide | nu'kle-o-tīd |
| 12 | 1 | nucleus | nu'kle-is |
| 7 | 3 | nucleus pulposus | nu'kle-is |
| 14 | 1 | olfactory epithelium | ep"ī-the'le-um |
| 12 | 2 | oligodendrocyte | ol"ī-go-den'dro-sīt |
| 28 | 2 | oocyte | o'o-sīt |
| 28 | 2 | oogenesis | o"o-jen'ě-sis |
| 7 | 2 | optic canal | op'tik |
| 14 | 2 | optic chiasma | op'tik ki-az'muh |
| 14 | 1 | optic disc | op'tik |
| 13 | 4 | optic nerve | op'tik |
| 14 | 2 | optic tract | op'tik |

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| 14 | 1 | organ of Corti | kor'tih |
| 1 | 2 | organ system | sis-tem |
| 23 | 1 | oropharynx | fayr'inks |
| 3 | 1 | osmosis | oz-mo'sis |
| 14 | 1 | ossicles | ah'sih-kulz |
| 6 | 4 | ossification | os''i-fi-ka'shun |
| 6 | 3 | osteoblast | os'te-o-blast |
| 6 | 3 | osteoclast | os'te-o-klast |
| 6 | 3 | osteocyte | os'te-o-sīt |
| 6 | 4 | osteoid | os'te-oid |
| 26 | 10 | osteomalacia | os''te-o-mah-la'she-ah |
| 6 | 3 | osteon | os'te-on |
| 6 | 6 | osteoporosis | os''te-o-po-ro'sis |
| 28 | 2 | ovarian cycle | o-vayr'e-an |
| 28 | 2 | ovulation | ov''u-la'shun |
| 28 | 2 | ovum | o'vum |
| 25 | 1 | oxidation | oks'ĭ-da''shun |
| 25 | 1 | oxidation–reduction reaction | oks'ĭ-da''shun |
| 25 | 2 | oxidative phosphorylation | ok'sĭ-da''tiv fos''for-ĭ-la'shun |
| 23 | 5 | oxyhemoglobin | ok'sĭ-he''mo-glo'bin |
| 18 | 3 | oxytocin | ok'sĭ-to'sin |
| 18 | 9 | pancreas | pan'kre-us |
| 24 | 7 | pancreatic amylase | pan''kre-at'ik |
| 18 | 9 | pancreatic islets | pan''kre-at'ik |
| 24 | 6 | pancreatic juice | pan''kre-at'ik |
| 24 | 7 | pancreatic nuclease | pan''kre-at'ik |
| 14 | 1 | papilla | pah-pil'ah |
| 18 | 1 | paracrine | par'ah-krin |
| 23 | 1 | paranasal sinus | si'nus |
| 15 | 1 | parasympathetic nervous system | sis-tem |
| 18 | 5 | parathyroid glands | par''ah-thi'roid |
| 18 | 5 | parathyroid hormone (PTH) | par''ah-thi'roid |
| 13 | 4 | paravertebral ganglia | par''ah-ver'tě-brul gang'gle-ah |
| 7 | 2 | parietal bone | pah-ri'ě-tal |
| 24 | 4 | parietal cell | pah-ri'ě-tal |
| 13 | 2 | parietal lobe | pah-ri'ě-tal |
| 13 | 2 | parieto-occipital sulcus | sul'kus |
| 29 | 4 | parturition | par''tu-rish'un |
| 22 | 4 | passive immunity | im''ūn'ĭ-te |
| 9 | 6 | patellar ligament | lig'ah-ment |
| 11 | 5 | pectoral girdle | pek'tor-al |
| 11 | 4 | pelvic diaphragm | pel'vik di'ah-fragm |
| 11 | 6 | pelvic girdle | pel'vik |

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| 28 | 1 | penis | pe'nis |
| 2 | 5 | peptide bond | pep'tid |
| 20 | 1 | pericardium | per''ĩ-kar'de-um |
| 10 | 2 | perimysium | per''ĩ-mis'e-um |
| 11 | 4 | perineum | per''ĩ-ne'um |
| 9 | 2 | periodontal ligament | lig'ah-ment |
| 6 | 3 | periosteum | per''e-os'te-um |
| 12 | 1 | peripheral nervous system (PNS) | sis-tem |
| 3 | 1 | peripheral protein | pro'tēn |
| 24 | 2 | peristalsis | per''i-stal'sis |
| 3 | 2 | peroxisome | pě-roks''ĩ-sōm |
| 3 | 1 | phagocytosis | fag''o-si-to'sis |
| 23 | 1 | pharynx | fayr'inks |
| 29 | 7 | phenotype | fe'no-tīp |
| 2 | 5 | phospholipid | fos''fo-lip'id |
| 14 | 1 | photoreceptor | fo''to-re-sep'tor |
| 1 | 1 | physiology | fiz''e-ol'o-je |
| 18 | 7 | pineal gland | pin'e-al |
| 3 | 1 | pinocytosis | pe''no-si-to'sis |
| 18 | 3 | pituitary dwarfism | pĩ-tu'ih-tayr''e |
| 18 | 3 | pituitary gland | pĩ-tu'ih-tayr''e |
| 9 | 5 | plantar flexion | flek'shun |