

Course n⁰=1: The English Scientific Vocabulary of Biology

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I. Introduction

Biology is a branch of science which consists of the study of all life constituents.

As a biology student, you are certainly using a very specific vocabulary specific to this science.

The precise vocabulary words of science all find a translation in the English language.

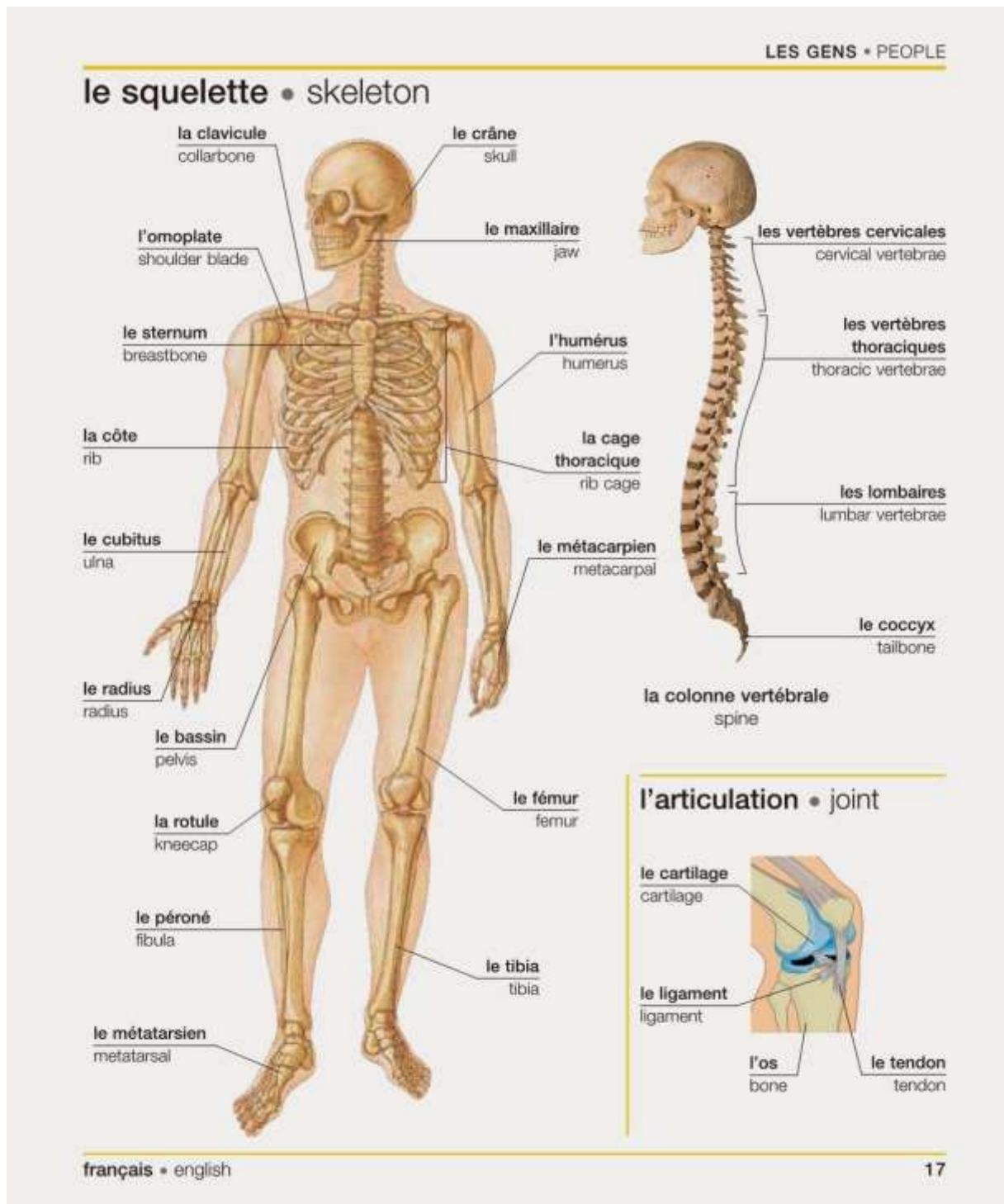
These terms will be essential for you in your field, especially for reading articles by English-speaking researchers, for sharing your knowledge or for making the research.

II. Anatomy vocabulary in english:

1. General terms:

- Anatomie = Anatomy
- Le cou = The neck
- Le poignet = The wrist
- La main = The hand
- Le doigt = The finger
- L'avant-bras = The forearm
- L'épaule = The shoulder
- Le bras = The upper arm
- La hanche = The hip
- La jambe = The leg
- Le genou = The knee
- La cuisse = The thigh
- Le pied = The foot
- La cheville = The ankle
- Les orteils = The toes
- L'abdomen = The abdomen
- Le thorax = The chest
- Le coude = The elbow

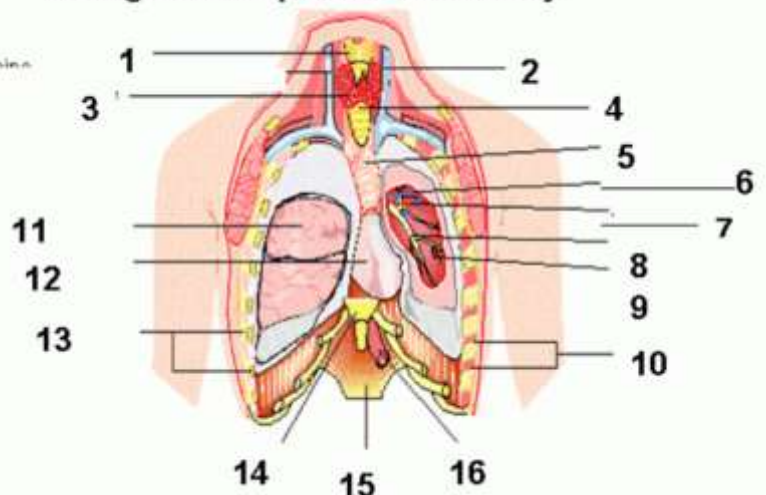
2. Skeleton :



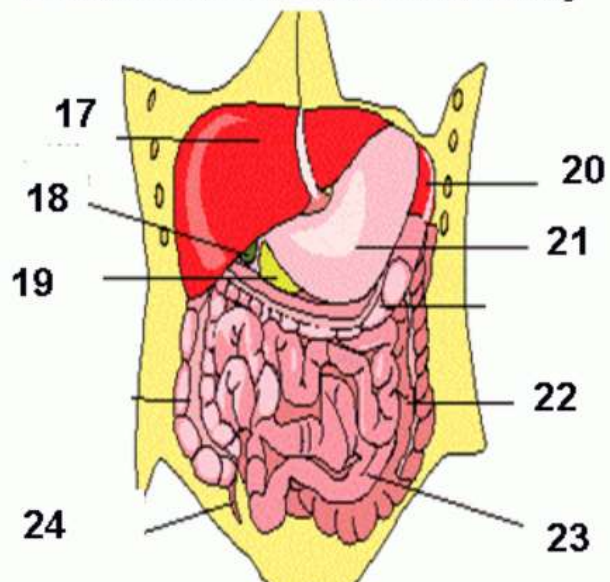
3. Internal organs in humans:

1	Le larynx	The larynx
2	La veine jugulaire	The jugular vein
3	La thyroïde	The thyroid gland
4	La trachée	The trachea
5	Le thymus	The thymus gland
6	La veine pulmonaire	The pulmonary vein
7	L'artère pulmonaire	The pulmonary trunk
8	Les bronches	The bronchus
9	Les bronchioles	The bronchioles
10	Les muscles intercostaux	The intercostal muscles
11	Les poumons	The lungs
12	Le cœur	The heart
13	Les côtes	The ribs
14	Le sternum	The sternum/ breast bone
15	Le diaphragme	The diaphragm
16	L'aorte	The aorta
17	Le foie	The liver
18	La vésicule biliaire	The gallbladder
19	Le pancréas	The pancreas
20	La rate	The spleen
21	L'estomac	The stomach
22	Le colon	The colon
23	L'intestin grêle	The small intestine
24	L'appendice	The appendix
25	Le rein	The kidney
26	L'aorte abdominale	The abdominal aorta
27	Les uretères	The ureters
28	L'urètre	the urethra
29	La vessie	The bladder
30	La veine cave inférieure	The inferior veina cava

La cage thoracique/ the chest cavity

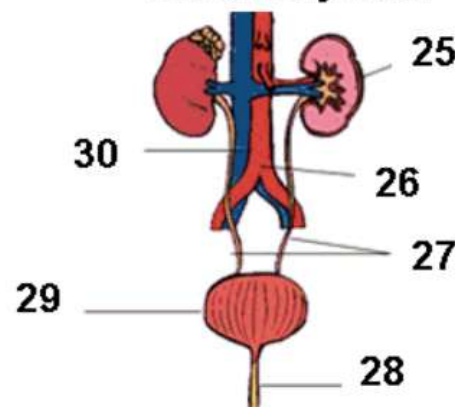


L'abdomen / the abdominal cavity



Le système urinaire

The urinary tract



III. Technical terms of biology and science in english

- Le système immunitaire = the immune system
- Un tube à essais = a test tube
- Un laboratoire = a laboratory
- Un groupe sanguin = a blood group
- Un globule = a blood cell
- Un gène = a gene
- La génétique = genetics
- Acide = Acid
- Akène = Achene
- Antigène = Antigen
- Anticorps = Antibody
- Abiotique = Abiotic
- Abiogenèse = Abiogenesis
- Abscission = Abscission
- Abcissine = Abscisin
- Acide acétique = Acetic acid
- Réflexe d'accommodation = Accommodation reflex
- Acétylcholine = Acetylcholine
- Caractéristique acquise = Acquired characteristic
- Immunité acquise = Acquired immunity
- Acrosome = Acrosome
- Adrénaline = Adrenalin
- Acide aminé = Amino acid
- Allèle = Allele
- Algue = Algae
- Anévrisme = Neurysm
- Adrenal cortex = Corticosurrénale
- Anaphase = Anaphase
- Alcalin = Alkaline
- Adrenal gland = Glande surrénale
- Androgen = Androgène
- Antibiotic = Antibiotique
- Animalia (kingdom) = Règne animal
- Angiosperm = Angiosperme
- Anabolism = Anabolisme
- Antidote = Antidote
- Anthocyanin = Anthocyanine
- Antitoxin = Antitoxine
- Antiseptic = Antiseptique

IV. Microbiology vocabulary in english

- Adhésion = Membership
- ADN = DNA
- Aggregatibacter actinomycetemcomitans = Aggregatibacter actinomycetemcomitans
- ARN = RNA
- ARN viral circulant = Circulating viral RNA
- Aspergillus = Aspergillus

Assemblage =	Assembly
Bactéries =	Bacteria
Biofilm =	Biofilm
Caulobacter crescentus =	<i>Caulobacter crescentus</i>
Cellules dendritiques =	Dendritic cells
Champignon =	Fungi
Cytoplasme =	Cytoplasm
Défense immunitaire =	Immune defense
Dictyostelium discoideum =	<i>Dictyostelium discoideum</i>
Echovirus =	Echovirus
Epidémiologie =	Epidemiology
Epidémiologie moléculaire =	Molecular epidemiology
Escherichia coli =	<i>Escherichia coli</i>
Eucaryote =	Eukaryote
Flore normale =	Normal flora
Formule vaccinale =	Vaccine formula
Fusobacterium =	<i>Fusobacterium</i>
Génétique inverse =	Reverse genetics
Immunité innée =	Innate immunity
Inhibiteur de l'infection =	Infection inhibitor
Interféron =	Interferon
Invasion =	Invasion
Leishmania donovani =	<i>Leishmania donovani</i>
Lupus érythémateux =	Lupus erythematosus
Maladie nosocomiale =	Nosocomial disease
Morphogénèse virale =	Viral morphogenesis
MRSA =	MRSA
Mycobacterium =	<i>Mycobacterium</i>
Opportuniste =	Opportunistic
Organisation génomique =	Genomic organization
Phage =	Phage
Plasmodium =	Plasmodium
Porphyromonas gingivalis =	<i>Porphyromonas gingivalis</i>
Procaryotes =	Prokaryotes
Pseudomonas aeruginosa =	<i>Pseudomonas aeruginosa</i>
Régulation de l'infection =	Regulation of infection
Retrovirus endogène =	Endogenous retrovirus
Rhinovirus / Echovirus =	Rhinovirus / Echovirus
Saccharomyces cerevisiae =	<i>Saccharomyces cerevisiae</i>
Staphylococcus aureus =	<i>Staphylococcus aureus</i>
Staphylococcus epidermidis =	<i>Staphylococcus epidermidis</i>
Stéatose =	Steatosis
Streptococcus pneumoniae =	<i>Streptococcus pneumoniae</i>
Toxoplasma gondii =	<i>Toxoplasma gondii</i>
Treponema pallidum =	<i>Treponema pallidum</i>
Trypanosoma brucei =	<i>Trypanosoma brucei</i>
Vecteur viral =	Viral vector
VIH =	HIV
Virus =	Virus

V. Nature vocabulary in english

- La météo = The weather
- Le Soleil = The Sun
- Un Orage = A Storm
- Un Éclair = A Lightning
- La Pluie = The Rain
- Un Tsunami = A Tidal Wave
- Une Inondation = A Flood
- Gel = Freeze
- La Neige = The Snow
- La Chaleur = The Heat
- Les Étoiles = The Stars
- La Lune = The Moon
- Le Ciel = The Sky
- Un Cyclone = A Hurricane
- Une Tornade = A Tornado
- Le Brouillard = Fog, Mist, Haze
- L'air = Air
- L'eau = Water
- La Terre = Soil, Dirt
- Le Feu = Fire
- La Terre (Planète) = Earth

VI. Geology vocabulary in english

- Gros Fragments = Chunk
- Dériver = To Drift
- Dérive Des Continents = Continental Drift
- Le Bord = To Edge
- Couche Layer =
- Masse Continentale = Landmass
- Échelle Du Temps = Time Scale
- S'étendre = To Spread
- Épaisseur = Thickness
- Plaque = Plate
- Ondes = Waves
- Épicentre = Epicenter
- Foyer = Focus
- Tectonique Des Plaques = Plate Tectonic
- Tremblement = Quakes
- Faille = Fault
- Inverse = Reverse
- Normal = Thrust
- Incohérence = Inconsistency
- Ondes Sismique = Seismic Waves

VII. Zoology vocabulary in english

- An elephant = un éléphant
- A tiger = un tigre
- A lion = un lion
- A crocodile = un crocodile
- A giraffe = une girafe
- A zebra = un zèbre
- A monkey = un singe
- A snail = un escargot
- A spider = une araignée
- A dragonfly = une libellule
- A mosquito = un moustique
- A worm = un ver
- An ant = une fourmi
- A fly = une mouche
- A Bee = une abeille
- A ladybird / ladybug = une coccinelle
- A hornet = un frelon
- A butterfly = un papillon
- A caterpillar = une chenille

VIII. Biochemistry vocabulary in english

- un chimiste = a chemist
- un produit chimique = a chemical
- une substance = a substance
- un solide = a solid
- un liquide = a liquid
- un gaz = a gas
- l'alcool = alcohol
- le carbone = carbon
- le sodium = soda
- le soufre = sulphur
- un tube à essais = a test tube
- un laboratoire = a laboratory
- un groupe sanguin = a blood group
- un globule = a blood cell
- un gène = a gene
- la génétique = genetics
- le système immunitaire = the immune system
- faire une expérience = to make an experiment
- vérifier une hypothèse = to check a hypothesis
- bouillir à 100 degrés = to boil at 100 degrees
- geler = to freeze
- dissoudre = to dissolve
- mélanger = to mix
- chauffer = to heat
- refroidir = to cool
- faire fondre = to melt

- faire de la recherche en = to do research in

IX. Ecology and environment vocabulary in english

- Antarctic = l'Antarctique
- Arctic = l'Arctique
- Animal species = espèces animales
- Atmosphere = l'atmosphère
- Carbon dioxide = gaz carbonique
- Chemicals = Produits chimiques
- Crop = récolte
- Ecosystem = écosystème
- Environment = environnement
- Environmental policy = politique écologique
- Fauna = faune
- Fertilizers = engrais
- Flora = flore
- Fossil energy = l'énergie fossile
- Fuel = carburant
- Gas = gaz
- Greenhouse gas = gaz à effet de serre
- Global warming = le réchauffement climatique
- Hydraulic power plant = centrale hydraulique
- Rubbish / trash = déchets
- Nuclear power = énergie nucléaire
- Nuclear waste = déchets nucléaires
- Ocean = océan
- Ocean bed = fonds marins
- Oil = pétrole
- Ozone layer = couche d'Ozone
- Pesticide = pesticide
- Rainforest = forêts équatoriales
- Shortage = pénurie
- Soil = sol
- Summit = sommet
- Survey = étude
- Sustainable = durable
- Unhealthy = malsain
- Waste = déchets
- Water = eau
- Wood = bois
- Wildlife = les animaux sauvages

1. Environmental protection:

- Biodegradable : Biodégradable
- Bio-fuel : Biocarburant
- Carbon dioxide emissions : émissions de dioxyde de carbone
- Carbon footprint : l'empreinte carbone

- Clean energy : énergie propre
- Coal : charbon
- Ecological disaster : catastrophe écologique
- Eco-friendly : écologique
- Endangered species : espèce en voie de disparition
- Environmental issues : problèmes liés à l'environnement
- Extinct species : espèce disparue
- GMO : OGM
- Green /ecological : écologique
- Household waste : déchets ménagers
- Kyoto protocol : protocole de Kyoto
- Natural conservation : préservation de la nature
- NGO : ONG
- Organic : biologique
- Organic farming : agriculture biologique
- Pollutant : un produit polluant
- Preservation : la sauvegarde
- Recyclable : recyclable
- Recycling : recyclage
- Renewable : renouvelable
- Solar energy : énergie solaire
- Wind energy : énergie éolienne

2. Natural disasters and meteorology:

- Acid rain : pluie acide
- Black tide / Oil spill : la marée noire
- Blizzard : tempête de neige
- Deforestation : déforestation
- Drought : la sécheresse
- Earthquake : le tremblement de terre
- Ecological disaster : catastrophe écologique
- Flood : inondation
- Heatwave : vague de chaleur
- Hurricane : ouragan
- Mudslide : écoulement de boue
- Natural disaster : une catastrophe naturelle
- Smog : brouillard de pollution
- The rise of sea level : la hausse du niveau de la mer
- Tidal wave : raz-de-marée
- Tornado : tornade
- Typhoon : typhon