

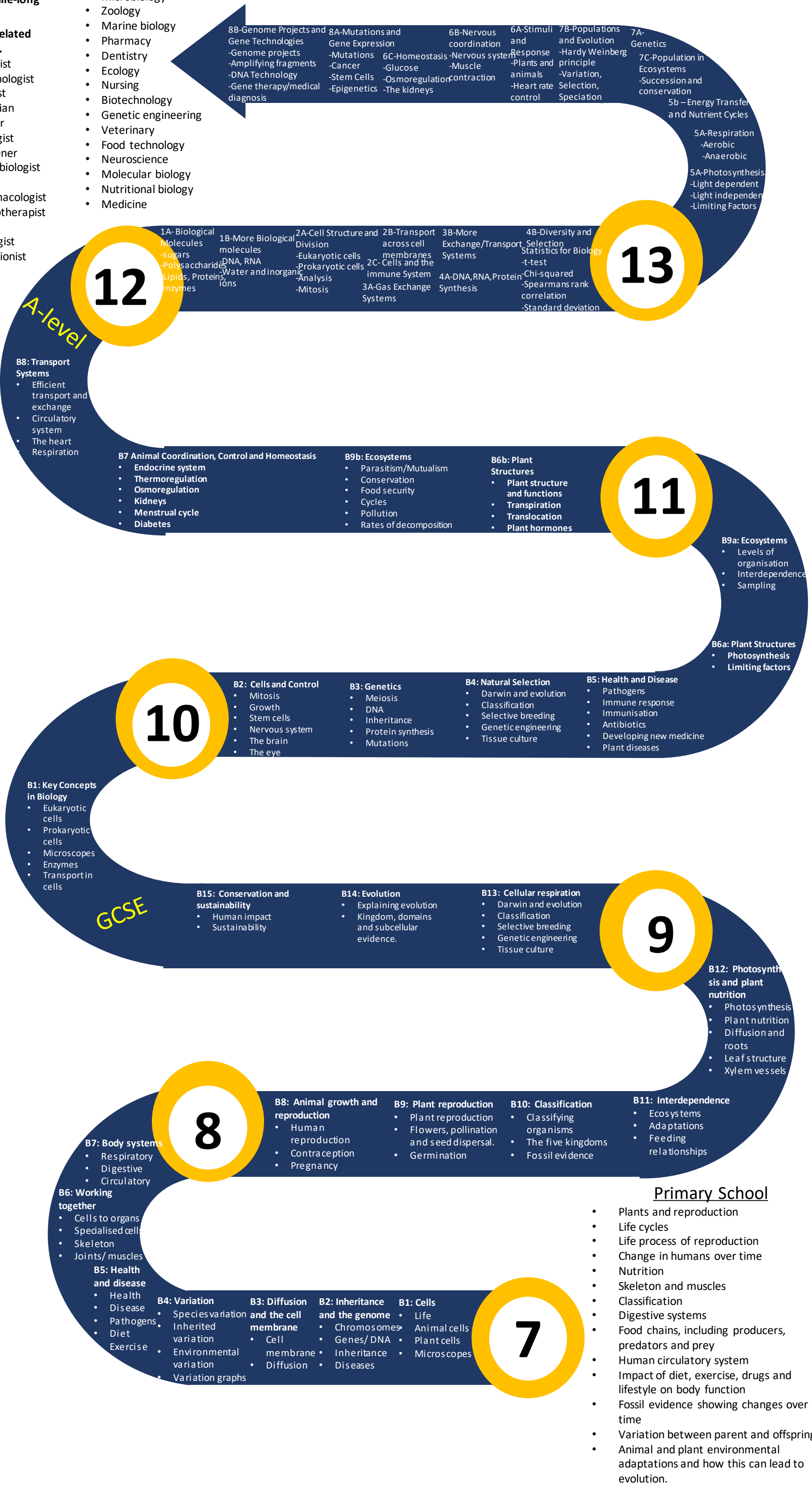
Or just continue to develop an interest in biology and develop life-long learning.

Biology related careers...

- Botanist
- Criminologist
- Dentist
- Dietician
- Doctor
- Ecologist
- Gardener
- Microbiologist
- Nurse
- Pharmacologist
- Physiotherapist
- Vet
- Zoologist
- Nutritionist

Continuing to study a biology related course...

- Biomedical science
- Microbiology
- Zoology
- Marine biology
- Pharmacy
- Dentistry
- Ecology
- Nursing
- Biotechnology
- Genetic engineering
- Veterinary
- Food technology
- Neuroscience
- Molecular biology
- Nutritional biology
- Medicine



Primary School

- Plants and reproduction
- Life cycles
- Life process of reproduction
- Change in humans over time
- Nutrition
- Skeleton and muscles
- Classification
- Digestive systems
- Food chains, including producers, predators and prey
- Human circulatory system
- Impact of diet, exercise, drugs and lifestyle on body function
- Fossil evidence showing changes over time
- Variation between parent and offspring
- Animal and plant environmental adaptations and how this can lead to evolution.

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A-level

GCSE

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- 1A- Biological Molecules
 - sugars
 - Polysaccharides
 - Lipids, Proteins
 - enzymes
- 1B- More Biological molecules
 - DNA, RNA
 - Water and inorganic ions

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- 2A- Cell Structure and Division
 - Eukaryotic cells
 - Prokaryotic cells
 - Analysis
 - Mitosis

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- 2B- Transport across cell membranes
- 2C- Cells and the immune System
- 3A- Gas Exchange Systems

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- 3B- More Exchange/Transport Systems
- 4A- DNA, RNA, Protein Synthesis

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- 6B- Nervous coordination
- 6C- Homeostasis

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- 6A- Stimuli and Response
- 7B- Populations and Evolution
- 7A- Genetics

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- 7C- Population in Ecosystems
- 5b- Energy Transfer and Nutrient Cycles
- 5A- Respiration
 - Aerobic
 - Anaerobic
- 5A- Photosynthesis
 - Light dependent
 - Light independent
 - Limiting Factors

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- 4B- Diversity and Selection
- 4A- DNA, RNA, Protein Synthesis
- 3B- More Exchange/Transport Systems
- 2B- Transport across cell membranes
- 2C- Cells and the immune System
- 2A- Cell Structure and Division
- 1B- More Biological molecules
- 1A- Biological Molecules

B8: Transport Systems

- Efficient transport and exchange
- Circulatory system
- The heart
- Respiration

B7: Animal Coordination, Control and Homeostasis

- Endocrine system
- Thermoregulation
- Osmoregulation
- Kidneys
- Menstrual cycle
- Diabetes

B9b: Ecosystems

- Parasitism/Mutualism
- Conservation
- Food security
- Cycles
- Pollution
- Rates of decomposition

B6b: Plant Structures

- Plant structure and functions
- Transpiration
- Translocation
- Plant hormones

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B9a: Ecosystems

- Levels of organisation
- Interdependence
- Sampling

B6a: Plant Structures

- Photosynthesis
- Limiting factors

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B2: Cells and Control

- Mitosis
- Growth
- Stem cells
- Nervous system
- The brain
- The eye

B3: Genetics

- Meiosis
- DNA
- Inheritance
- Protein synthesis
- Mutations

B4: Natural Selection

- Darwin and evolution
- Classification
- Selective breeding
- Genetic engineering
- Tissue culture

B5: Health and Disease

- Pathogens
- Immune response
- Immunisation
- Antibiotics
- Developing new medicine
- Plant diseases

B1: Key Concepts in Biology

- Eukaryotic cells
- Prokaryotic cells
- Microscopes
- Enzymes
- Transport in cells

B12: Photosynthesis and plant nutrition

- Photosynthesis
- Plant nutrition
- Diffusion and roots
- Leaf structure
- Xylem vessels

B15: Conservation and sustainability

- Human impact
- Sustainability

B14: Evolution

- Explaining evolution
- Kingdom, domains and subcellular evidence.

B13: Cellular respiration

- Darwin and evolution
- Classification
- Selective breeding
- Genetic engineering
- Tissue culture

B12: Photosynthesis and plant nutrition

- Photosynthesis
- Plant nutrition
- Diffusion and roots
- Leaf structure
- Xylem vessels

B11: Interdependence

- Ecosystems
- Adaptations
- Feeding relationships

B10: Classification

- Classifying organisms
- The five kingdoms
- Fossil evidence

B9: Plant reproduction

- Plant reproduction
- Flowers, pollination and seed dispersal.
- Germination

B8: Animal growth and reproduction

- Human reproduction
- Contraception
- Pregnancy

B7: Body systems

- Respiratory
- Digestive
- Circulatory

B6: Working together

- Cells to organs
- Specialised cells
- Skeleton
- Joints/muscles

B5: Health and disease

- Health
- Disease
- Pathogens
- Diet
- Exercise

B4: Variation

- Species variation
- Inherited variation
- Environmental variation
- Variation graphs

B3: Diffusion and the cell membrane

- Cell membrane
- Diffusion

B2: Inheritance and the genome

- Chromosomes
- Genes/ DNA
- Inheritance
- Diseases

B1: Cells

- Life
- Animal cells
- Plant cells
- Microscopes

B7: Body systems

- Respiratory
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