

Biocraft's Bio-Visual Charts

- Bio-Visual Charts are made of water proof-reinforced PVC Sheeting (Rexine) which is flexible and wrinkle free.
Size chart - B and C -100 x 175cms, A- 60 x 90 cms.
- An experienced team of Scientists and Artists discuss and research the subject in R & D Wing so as to produce authentic and accurate drawings.
- Several aspects of each subject are reproduced in great detail with bold labelling so that each diagram is informative as well as self-explanatory.

Code Value : A=540, B=830, C=830

Cytology

Bi 9	Cell Membrane & Cell wall	C
Bi 10	Endoplasmic Reticulum	C
Bi 11	Mitochondrion	C
Bi 12	Golgi Complex	C
Bi 13	Chloroplast	C
Bi 14	Nucleus	C
Bi 15	Chromosomes	C
Bi 31	Structure of Cillium & Flagellum	C
Bi 80	Ribosomes & Lysosomes	C

Genetics

Bi 4	Monohybrid Cross complete dominance	C
Bi 5	Monohybrid Cross-Incomplete Dominance	C
Bi 6	Forms of Comb in Fowl	C
Bi 7	Dihybrid Ratio	C
Bi 8	Linkage	C
Bi 51	Mutations	C
Bi 52	Chromosomal Aberrations	C
Bi 53	Colour Blindness & Hemophilla	C
Bi 60	Genetic Code	C
Bi 99	Mendelism	C
Bi 126	Cytoplasmic Inheritance	C
Bi 127	Sex Linked Inheritance	C
Bi 131	Crossing Over	C
Bi 141	Plasma Membrane	C
Bi 147	Epistatic Interaction	C

Physiology

Bi 1	Photosynthesis Light Reactions	C
Bi 2	Integration of Carbohydrate, Fatty Acid and Amino Acid Anabolism-Dark Reactions	C
Bi 3	Integrations of Carbohydrate, Fatty Acid and Amino Acid Catabolism	C
Bi 55	Osmosis, Plasmolysis & Diffusion	C
Bi 56	Gluconeogenesis & HMP pathway	C
Bi 81	Active & Passive Transport	C
Bi 82	Fatty Acid Oxidation & Regulation	C
Bi 272	Glycology	C
Bi 273	Electro Transport Chain	C

General

Bi 20	Microscope	C
Bi 21	Gametogenesis	C
Bi 22	Water Cycle	C
Bi 23	Pond Ecosystem	C
Bi 24	Carbon Cycle	C
Bi 25	Nitrogen Cycle	C
Bi 18	DNA 8 loops (7" x 3")	2xC
Bi 19	DNA Structure	C
Bi 26	RNA Types Transcription and Translation	C
Bi 27	RNA Structure	C
Bi 28	Protein synthesis	C
Bi 29	Urea Cycle	C
Bi 30	Vitamins : Sources & Deficiency	C
Bi 40	Plant Kingdom	C
Bi 41	Animal Kingdom	C
Bi 42	Nutrients	C
Bi 43	Food Pyramids	C
Bi 44	Potato Mosaic	C
Bi 45	Bacterial Blight of Potato	C
Bi 46	Environmental Pollution	C
Bi 47	Vegetables & Fruits	C
Bi 48	Oxygen Cycle	C
Bi 49	Food Chain	C
Bi 50	Food Web	C
Bi 57	Municipal Water Treatment	C
Bi 58	Enzymes : Classification & Kinetics	C
Bi 59	Phosphorous Cycle	C
Bi 61	Geological Time Scale	C
Bi 62	Endocrine Glands : Structure & Function	C
Bi 63	Xerose	C
Bi 64	Hydrose	C
Bi 65	Biogas Plant	C
Bi 66	Chromatography	C
Bi 67	Electrophoresis	C
Bi 68	Atmosphere-Layers	C
Bi 83	Protein Structure	C
Bi 84	Nucleotides & Biosynthesis	C
Bi 85	Terrestrial & Marine Ecosystems	C
Bi 129	Recombinant DNA and Cloning	C
Bi 130	Monoclonal antibodies and Blotting	C
Bi 131	Crossing over	C

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- B 141 Anamalous Secondary Growth
(Serjania & Dracaena Stem) **C**
- B 197 Meristems **C**
- B 299 Cucurbita Stem **C**
- B 201 Amaranthus Stem **C**
- B 211 Nyctanthus Stem **C**
- B 238 Anatomy of Dicot Root
(Phasedu radiatus) **C**
- B 246 Salvadora Stem **C**
- B 247 Wheat (Triticum) Stem **C**
- B 248 Wheat (Triticum) Root **C**
- B 212 Casuarina Stem **C**
- B 225 Ficus Root **C**
- B 230 Secondary Growth in Dicot Root **C**

Physiology

- B 175 Photo Respiration **C**
- B 176 C4 & CAM Cycles **C**
- B 194 Plant Respiration **C**
- Bi 1 Photosynthesis Light Reactions **C**
- Bi 2 Integration of Carbohydrate, Fatty
Acid and Amino Acid anabolism-
Dark Reactions **C**
- B 220 Photosynthesis Experiments **C**
- Bi 3 Integration of Carbohydrate, Fatty
acid and Amino acid Catabolism **C**
- B 195 Plant Transpiration **C**
- Bi 55 Osmosis, Plasmolysis & Diffusion **C**
- Bi 56 Gluconeogenesis & HMP Pathway **C**
- B 199 Plant Hormones **C**
- Bi 81 Active & Passive Transport **C**
- Bi 82 Fatty Acid Oxidation & Regulation **C**
- B 227 Ascent of Sap **C**

Cytology

- B 1 Ultra Structure of Plant Cell **C**
- B 19 Mitosis in Plants **C**
- B 20 Structure of Chromosome **C**
- B 21 Meiosis in Plants : First Division **C**
- B 22 Meiosis in Plants : Second Division **C**
- B 23 Structure of Chromosome during
Meiosis **C**

Taxonomy

- B 62 Poaceae : (Oryza Sativa, Zea mays) **C**
- B 63 Acanthaceae (Ruellia Ecolium) **C**
- B 64 Apiaceae : (Pimpinella anisum) **C**
- B 65 Bignonaceae (Tecoma) **C**
- B 66 Meliaceae (Melia Azedaracj) **C**
- B 67 Annonaceae : (Annona squamosa
& Artabotrys odor atissimus) **C**
- B 68 Cruciferae : (Brassica nigra) **C**

- B 69 Malvaceae : (Hibiscus rosa-
Sinensis) **C**
- B 70 Rutaceae : (Citrus aurantifolia) **C**
- B 71 Fabaceae (Papilionaceae) :
(Crotalaria Iuburnifolia) **C**
- B 72 Caesalpiniaceae : (Caesalpina
pulcherima) **C**
- B 73 Mimosaceae : (Acacia nolotica) **C**
- B 74 Asteraceae : (Tridax) **C**
- B 75 Apocynaceae : (Catharanthus
roseus) **C**
- B 76 Convolvulaceae: (Ipomoea palmata) **C**
- B 77 Solanaceae : (Dutura innoxia) **C**
- B 78 Lamiaceae : (Salvia officinalis) **C**
- B 95 Euphorbiaceae : (Ricinus
communis) **C**
- B 96 Asclepiadaceae : (Calotropis
giganita & Cryptostegia grandiflora) **C**
- B 97 Capparidaceae (Gynandropsis) **C**
- B 98 Cucurbitaceae : (Luffa cylindrica) **C**
- B 104 Amaranthaceae : (Achyranthes
aspera, Gompherena globosa,
Amaranthus viridis) **C**
- B 111 Liliaceae : (Asparagus racemosus) **C**
- B 116 Rubiaceae : (Ixora) **C**
- B 163 Sapotaceae : (Achras Sapota) **C**
- B 164 Anacardiaceae (Magnifera Indica) **C**
- B 165 Myrtaceae : (Psidium guajava,
Eucalyptus-lanceolatus) **C**
- B 166 Arecaceae : (Cocos nucifera) **C**
- B 202 Orchidaceae (Spathoglottis) **C**
- B 203 Musaceae (Musa Paradisiaca) **C**
- B 103 Verbenaceae **C**
- B 237 Liliaceae **C**
- B 239 Fabaceae (Clitora Ternata) **C**
- B 240 Umbelliferae (Coriandrum Sativum) **C**
- B 250 Compositae (Helianthus Annus) **C**
- B 255 Renuculaceae (Ranunculus) **C**
- B 257 Labiatae **C**
- B 276 Euphorbiaceae **C**
- B 279 Fabaceae **C**
- B 280 Chenopodiaceae **C**
- B 281 Urticaceae **C**

Fossils

- B 159 Rhynia **C**
- B 160 Lyginopteridaceae **C**

Ecology

- Bi 22 Water Cycle **C**
- Bi 23 Pond Ecosystem **C**
- Bi 24 Carbon Cycle **C**

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Bi 25 Nitrogen Cycle	C	Bi 138 Antigen-antibody interaction-I	C
B 143 Hydrophytes	C	Bi 139 Antigen-antibody interaction-II	C
B 144 Hydrophytes : Root & Stem	C	Bi 140 Polymerase chain reaction	C
B 145 Hydrophytes : Petiole & Leaf	C	Bi 141 Plasma membrane	C
B 146 Xerophytes	C	Bi 142 Manufacture of alcohol from molasses	C
B 147 Xerophytes : Leaf & Stem	C	Bi 145 Hypersensitivity type-I	C
Bi 46 Environmental Pollution	C	Bi 146 Blotting techniques for nucleic acid	C
Bi 63 Xerosere	C	Bi 149 Life Cycle : Human Immunodeficiency virus	C
Bi 64 Hydrosere	C	Bi 152 Bacteria	C
Bi 85 Terrestrial & Marine Ecosystems	C	Bi 153 Blotting Technique for Protein	C
B 256 Phylloclad and Phylloclade	C	Bi 154 Laboratory Safety	C

Biochemistry, Microbiology & Biotechnology Charts

Bi 9 Cell Membrane & cel wall	C	Bi 156 Transposons	C
Bi 10 Endoplasmic Reticulum	C	Bi 157 Gene Transfer I - Conjugation	C
Bi 11 Mitochondrion	C	Bi 158 Gene Transfer II - Conjugation	C
Bi 12 Golgi Complex	C	Bi 159 Gene Transfer III - Conjugation	C
Bi 13 Chloroplast	C	Bi 162 DNA Replication types	C
Bi 14 Nucleus	C	Bi 163 DNA Viral Replication	C
Bi 15 Chromosomes	C	Bi 164 Major Histocompatibility Class I Molecule	C
Bi 18 DNA 8 Loops (7'×3')	C	Bi 165 Major Histocompatibility Class II Molecule	C
Bi 19 DNA Structure (Compounds)	C	Bi 167 Electron Microscope	C
Bi 26 RNA Types : Transcription & Translation	C	Bi 168 Complement System	C
Bi 27 RNA Structure	C	Bi 169 Kerb's Cycle	C
Bi 28 Protein Synthesis	C	B 153 Virus	C
Bi 29 Urea Cycle	C	B 176 C4 & CAM Cycles	C
Bi 30 Vitamins : Sources & Deficiency	C	B 196 Plant Tissue Culture	C
Bi 55 Osmosis, Plasmolysis & Diffusion	C	B 194 Plant Respiration	C
Bi 56 Gluconeogenesis & HMP pathway	C	B 199 Plant Hormones	C
Bi 58 Enzymes : Classification & Kinetics	C	B 231 Mucor	C
Bi 60 Genetic Code	C	B 232 Mucor : Life cycle	C
Bi 66 Chromatography	C	C 9 DNA Structure & Replication	C
Bi 67 Electrophoresis	C	C 10 Alpha helical Structure of a Polypeptide	C
Bi 80 Ribosomes & Lysosomes	C	C 11 Tertiary & Quarternary Structure of Protein	C
Bi 81 Active & Passive Transport	C	C 40 Amino Acids : Structure & Classification	C
Bi 82 Fatty Acid Oxidation & Regulation	C	Bi 32 Tuberculosis	C
Bi 83 Protein Structure	C	Bi 33 Typhoid	C
Bi 84 Nucleotides & Biosynthesis	C	Bi 34 Diphtheria	C
Bi 86 Prokaryotic & Eukaryotic Cells	C	Bi 35 Diarrhoea	C
Bi 111 Marasmus & Kwashiorkor	C	Bi 36 Filariasis	C
Bi 118 Balanced Diet	C	Bi 37 Leprosy	C
Bi 121 Diabetes : Glucose Estimation	C	Bi 38 Pathogenic Protozoa	C
Bi 122 Heart attack : Cholesterol Estimation	C	Bi 39 E. Coli	C
Bi 123 Jaundice : Bilirubin Estimation	C	B 49 Saprolegnia	C
Bi 128 Lac Operon	C	B 50 Rhizopus	C
Bi 129 Recombinant DNA & Cloning	C	B 51 Albugo	C
Bi 130 Monoclonal Antibodies & Blotting	C	B 52 Phytophthora	C
Bi 134 Tryptophan operon	C	B 53 Saccharomyces	C
Bi 135 Arabinose operon	C	B 55 Penicillium	C
Bi 136 Total count of blood	C		
Bi 137 Immunoglobulin structure	C		

