



StudyTXT.....

StudyTXT Programmes

>Tertiary

>Universities

>Auckland University

>Biological Sciences



BIOSCI 91F Foundation Biology I

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Download a PDF file of the message list below for your computer or to print out and use.

StudyTXT:

Code for group and ALL messages in the group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->

e.g. 4 messages in total = .50 cents + 3 X .30 cents = \$1.40 (instead of \$2 if all four were downloaded on their own)

- MAIN
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Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Cells	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	cmbA
1	Cell size		cmbA1
2	Microscopes	< = less than, mag = magnification, TEM = transmission electron microscopy, SEM = scanning electron microscopy	cmbA2
3	Single cell vs multicellular (microscopic vs macroscopic)		cmbA3
4	Prokaryotic cells	Prok = prokaryotic OR prokaryote, Incl. = including	cmbA4
5	Eukaryotic cells		cmbA5

6	EUKARYOTIC CELL diversity		cmbA6
Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Membranes	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	cmbB
1	Membrane properties		cmbB1
2	Membrane structure		cmbB2
3	Membrane components		cmbB3
4	Fluid mosaic		cmbB4
Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	The nucleus and protein synthesis	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	cmbC
1	Structure of the nucleus		cmbC1
2	The nuclear envelope		cmbC2
3	The nucleus and DNA		cmbC3
4	The central dogma of molecular biology		cmbC4
5	Transcription & Translation		cmbC5
Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	The endomembrane system	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	cmbD
1	Endomembrane system description		cmbD1
2	Components of the endomembrane system		cmbD2
3	The endoplasmic reticulum	ER = endoplasmic reticulum	cmbD3
4	Vesicles	ER = endoplasmic reticulum	cmbD4

5	Golgi Body	PM = plasma membrane	cmbD5
6	Lysosomes		cmbD6
Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Nucleic acids	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	cmbE
1	Nucleic acids	NAs = nucleic acids	cmbE1
2	DNA & RNA		cmbE2
3	Bases		cmbE3
4	Chargaff's rule		cmbE4
5	Base pairing		cmbE5

Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Chemistry of biochemistry	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	biocA
1	Element		biocA1
2	Compound		biocA2
3	Atoms		biocA3
4	Protons, neutrons and electrons	rxns = reactions	biocA4
5	Atomic number, mass number and valency		biocA5
6	Valence shells	e's = electrons	biocA6

Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Chemical bonds	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	biocB
1	Ionic bonds		biocB1
2	Covalent bonds		biocB2
3	Polar molecules	+ve = positive, -ve = negative	biocB3
4	Hydrogen bonding		biocB4
5	Diversity of carbon structures		biocB5
6	Functional groups		biocB6

Message #	Message Description	Abbreviations used in the message	TXT this code to 396
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message #	message Description	Abbreviations used in the message	TXT code to 396
ALL	Macromolecules 1, carbohydrates	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	biocC
1	Carbohydrates	carbs = carbohydrates monosac = monosaccharide oligosac = oligosaccharide polysac = polysaccharide	biocC1
2	Chemistry terms to know		biocC2
3	Monosaccharides		biocC3
4	Monosaccharide structure		biocC4
5	Glucose	OH = hydroxyl group	biocC5
6	Disaccharides		biocC6
7	Polysaccharides	pl = plants ani = animals	biocC7

Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Macromolecules 2, proteins	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	biocD
1	Proteins		biocD1
2	Amino acids	gp = group	biocD2
3	Peptide bond	btwn = between, gp = group, aa = amino acid	biocD3
4	Types of protein		biocD4
5	Protein structure		biocD5
6	Primary and secondary structure	aa = amino acid	biocD6
7	Tertiary and Quaternary structure		biocD7

Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Macromolecules 3, Fats and lipids	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	biocE
1	Lipids		biocE1
2	Function of fat	FAs = fatty acids	biocE2
3	Triacylglycerols (triglycerides)		biocE3
4	Fatty acids	sat = saturated monounsaturat = monounsaturated polyunsaturat = polyunsaturated FA = fatty acid	biocE4

5	Fatty acid metabolism		biocE5
6	Phospholipids		biocE6
7	Steroids	diff = different gps = groups	biocE7
Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Cellular respiration 1	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	biocF
1	Cellular respiration definition		biocF1
2	Stages and locations of cellular respiration		biocF2
3	Glycolysis		biocF3
4	Glycolysis energy requirements and yields	ETC = electron transport chain	biocF4
5	Krebs cycle (citric acid cycle)	KC = Krebs cycle	biocF5
6	Krebs cycle energy yields	KC = Krebs cycle	biocF6
7	ATP from glycolysis and the Krebs cycle		biocF7

Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Cellular respiration 2 & energy molecules	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	biocG
1	Electron transport chain		biocG1
2	ATP synthase	e-s = electrons ETC = electron transport chain H+ = hydrogen ion Mito mem = mitochondrial membrane	biocG2
3	Total ATP yield per glucose		biocG3
4	ATP		biocG4
5	NAD+		biocG5
6	FADH2		biocG6

Message #	Message Description	Abbreviations used in the message	TXT this code to 396
ALL	Diversity and Similarity	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	evoA

1	Evolution definition		evoA1
2	Similarity		evoA2
3	Fossils		evoA3
4	Fossil record		evoA4
5	Geological time scale		evoA5
6	Continental drift		evoA6
7	Extinctions	extinctn = extinction org = organism	evoA7
8	Definition: diversification		evoA8

Message # Message Description Abbreviations used in the message **TXT this code to 396**

ALL	Formation of evolutionary thought	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	evoB
1	Greek philosophers		evoB1
2	Carolus Linnaeus		evoB2
3	William Paley		evoB3
4	Jean Baptiste Lamarck		evoB4
5	Two ideas that Darwin challenged		evoB5
6	Darwin's big idea		evoB6

Message # Message Description Abbreviations used in the message **TXT this code to 396**

ALL	Natural Selection	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	evoC
1	Definition: Natural Selection		evoC1
2	Darwin's four observations	populatns=populations	evoC2
3	Darwin's three deductions	variatsn/s = variation or variations accumulatn = accumulation	evoC3
4	Example of Natural selection and adaptive evolution		evoC4
5	Artificial selection		evoC5
6	Evolution supporting evidence		evoC6
7	Homologous, Analogous & vestigial		evoC7

Message # Message Description Abbreviations used in the message **TXT this code**

to 396

ALL	Microevolution & Hardy Weinberg	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	evoD
1	Microevolution definition		evoD1
2	Non-evolving populations		evoD2
3	The five Hardy-Weinberg conditions		evoD3
4	H-W conditions rarely met because		evoD4

Message # Message Description Abbreviations used in the message **TXT this code to 396**

ALL	Causes of microevolution	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	evoF
1	Causes of microevolution		evoF1
2	Genetic drift	Populatn = population dec = decrease	evoF2
3	Gene flow	populatn/s = population or populations Dec = decrease Diffs = differences	evoF3
4	Mutations		evoF4
5	Types of natural selection		evoF5
6	Natural selection and variation		evoF6
7	Recessive refuge		evoF7

Message # Message Description Abbreviations used in the message **TXT this code to 396**

ALL	Microevolution & Hardy Weinberg	Code for group and ALL messages in this group at 0.50 cents for the 1st msg and 0.30 cents for all other messages->	evoG
1	Genetic diversity is important		evoG1
2	Monoculture		evoG2
3	Pesticide resistance		evoG3
4	Antibiotic resistance		evoG4
5	Genetic resistance to AIDS		evoG5

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