_00_	oje	ct: Scie	nce	Торі	c:AQA Or	rganisı	nisms: movement & cells (I) Year G				Year Gro	oup: 7		enjoy learned	
Beckfoot Levels of organisation		SI	keleton				M	Movement (joints)					Key Vocabulary Succession		
			Bones		of 206 bone	es. They have a blood	od I	I Ligaments		Connect bone to bone		ı	Nucleus	Controls cell activities, contains DNA	
I All organisms have a level of					supply and are a living tissue.			Cartilage	Coats	Coats the end of bones as a protection			2	Cytoplasm	Where chemical reactions take place
organisation, starting at the	2	Organ system		It is part of the muscular-skeletal system and has 4 main functions (see below)			Tendons	Conne	Connects bone to muscle		3	Cell	Controls what enters and leaves the cell		
smallest moving to the largest. As the level increases, so does the			Support		Keeps you upright and hold organs in place			Joints		Occur between bones and allow movement. 3 main			4	membrane	Made from cellulose fibres. Strengthens the cell
			Protect	Eg: skull protects the brain			_	1.10	types:				Cell wall	and supports the plant.	
organism	e.g., human			<del></del>		s and tendons to allow	5 ow 4	Hinge	Back and forward movement eg: knees  Movement in all directions eg: hips		ees	5	Mitochondria	Where aerobic respiration takes place	
e.g., human organ systems				movement			7	Ball & socket					6	Ribosomes	Make proteins by protein synthesis
e.g., circulatory system	e.g., circulatory system		Making blood cells	cells	<u>'</u>	produces red and white blood		Fixed		Do not allow movement eg: skull			7	Chloroplasts	Where photosynthesis occurs. Contains
organs e.g., heart	increasing complexity	1 1			Cells			e et a de la cadada	D	iffusion	and ad	aptations		·	chlorophyll to absorb light
dissues e.g., muscle cells e.g., nerve  Organs  I Groups of tissues that have the same function. Some examples: Respiratory system, circulatory system, reproductive system, nervous system, excretory system, skeletal system, digestive system  Movement (Muscles)			jaw bone sternum humerus	collar bone	Typical animal		01-	Mitochondria     Cell membrane     Ribosomes			ment of particles from a centration to a LOW	a LOW	8	Chlorophyll	Green pigment used for photosynthesis found in chloroplasts
			al column one)	ulna	cell	lai Control	<del>/_</del> :	→ Nucleus  — Cytoplasm			ation down a cond (gases or liquids).		9	Vacuole	Contains cell sap
			pelvis	2	2 Typical plant cell			Mitochondria		required.	. "	Low concentration eoli) - absorb O <sub>2</sub>	10	Magnification	How much bigger an image appears than the real object
			fibula —	kneecap				Cell membrane Ribosomes Nucleus Cytoplasm	2	1	11		Resolution	Ability to distinguish between two very small and closely spaced objects	
				ankle				Vacuole Cell wall Chloroplasts		animals In plants		cells- absorb	12	Organelle	Small structures inside animal and plant cells eg: nucleus
t vinen anovvo	Contracted biceps muscle		U	Inicellular	AND THE RESIDENCE OF THE PARTY							13	Microscope	A piece of equipment that magnifies (enlarges) specimens eg: animal cells so they can be observed	
movement. They transfer force to	Leps musers		O	rganisms Amoeba	- No		on- When a Sperm	cell becomes a spec	ecialised cell		E -	14	Cell	The smallest structural and functional unit of an organism,	
bones by Pulling on tendons.			elaxed ceps muscle	fixed shap Live in fresh/salt	аре.	cells Eg	Egg Red blood c Nerve White blood	od cell					15	Tissue	Made from a group of cells with a similar structure and function, which all work together to do a particular job.
				water, we and in hur		c	Ciliated epitl Muscle						16	Organ	Made from a group of different tissues, which all work together to do a particular job.
2 Antagonist Muscles that work				Euglena- in fresh w									17	Organ system	Made from a group of different organs, which all work together to do a particular job.
ic muscles function eg: movement however opposite directions (as one continue of the other relaxes) Eg: Biceps a			cts,	Have chloroplas photosynt			Root hair Palisade mes	ophyll cell					18	Organism	Any living thing that has an organized structure, can react to stimuli, reproduce, grow and adapt