

NAME _____

A Level Biology: Summer Task 2023

Q1	What organelle is used in protein synthesis?	A The mitochondria	The correct answer is...
		B The ribosome	
		C The vacuole	
		D The cytoplasm	
Q2	Which of the following won't affect the rate of an enzyme controlled reaction?	A The temperature	The correct answer is...
		B The pH	
		C The surface area	
		D The concentration	
Q3	DNA is a polymer, what are the monomers of DNA?	A Sugars	The correct answer is...
		B Amino acids	
		C Nucleotides	
		D Fatty acids	
Q4	In order to grow and reproduce our cells divide, what type of cell division forms gametes?	A Meiosis	The correct answer is...
		B Miteosis	
		C Mitosis	
		D Meitosis	
Q5	Characteristics are controlled by our genes and our environment. Some genes are always expressed, what kind of genes are these?	A Strong	The correct answer is...
		B Weak	
		C Dominant	
		D Recessive	
Q6	One form of transport between cells requires energy from ATP, which is it?	A Osmosis	The correct answer is...
		B Active transport	
		C Diffusion	
		D Facilitated diffusion	
Q7	Our bodies have several mechanisms they use to defend themselves against infection, what is the process of engulfing a pathogen called?	A Eating	The correct answer is...
		B Vaccination	
		C Antibody action	
		D Phagocytosis	
Q8	Transport systems are essential to the survival of large animals, which is not an adaptation of most transport systems?	A Good blood supply	The correct answer is...
		B Large surface area	
		C Large diffusion pathway	
		D Moist	
Q9	The circulatory system has 3 types of vessel in it. What is always true about arteries?	A Go away from the heart	The correct answer is...
		B Carry deoxygenated blood	
		C Carry Oxygenated blood	
		D Go towards the heart	
Q10	Evolution cannot occur without mutations, when a mutation gives an organism an advantage they are more likely to survive and breed. What did Darwin call this process?	A Artificial selection	The correct answer is...
		B Natural selection	
		C Acquired inheritance	
		D Survival of the fittest	

Research essay (Handwritten on one side of A4): **How the body defends itself against disease and what vaccinations can do to help.**