Question Number	Answer	Additional guidance	Mark
1(a)(i)	The only correct answer is B one A is not correct because starch only contains α-glucose and is stored in amyloplast C is not correct because starch only contains α-glucose and is stored in amyloplast D is not correct because starch only contains α-glucose and is stored in amyloplast		**(1)**

Question Number	Answer	Additional guidance	Mark
1(a)(ii)	The only correct answer is C two *A is not correct because they are all correct apart from contains α-glucose and β-glucose* *B is not correct because they are all correct apart from contains α-glucose and β-glucose* *D is not correct because they are all correct apart from contains α-glucose and β-glucose*		**(1)**

Question Number	Answer	Additional guidance	Mark
1(b)(i)	• (bacterial) chromosome and • (70S) ribosomes	Both structures required for the mark Accept nucleoid / (circular) DNA / plasmid / (m)RNA ignore size of ribosome	**(1)**

Question Number	Answer	Additional guidance	Mark
1(b)(ii)	An explanation that includes three of the following points: • oxygen for (aerobic) respiration (1) • glucose for respiration / amino acids for protein synthesis (1) • optimum temperature for (faster) {enzyme / metabolic} reaction (1) • optimum pH for (faster) {enzyme / metabolic} reaction (1)	 accept lack of oxygen for survival of obligate anaerobes accept water for {hydrolysis reactions / solvent} accept suitable stated temperature for {faster/optimum} enzyme rate of reaction accept suitable stated pH for {faster/optimum} enzyme rate of reaction	**(3)**