

Question Number	Answer	Additional guidance	Mark
1(a)(i)	<p>The only correct answer is B X</p> <p><i>A is not correct because W is chromosomal DNA / nucleoid</i></p> <p><i>C is not correct because Y is a pilus</i></p> <p><i>D is not correct because Z is the cell wall</i></p>		(1)

Question Number	Answer	Additional guidance	Mark
1(a)(ii)	<p>The only correct answer is C Y</p> <p><i>A is not correct because V is a ribosome</i></p> <p><i>B is not correct because X is a plasmid</i></p> <p><i>D is not correct because Z is the cell wall</i></p>		(1)

Question Number	Answer	Additional guidance	Mark
1(a)(iii)	<p>An answer that includes one of the following points:</p> <ul style="list-style-type: none"> • ribosomes in prokaryotic cells are smaller (than those in eukaryotic cells) (1) <p>Or</p> <ul style="list-style-type: none"> • ribosomes in prokaryotic cells are 70S whereas those in eukaryotic cells are 80S (1) 	Accept ribosomes in prokaryotic cells contain less RNA (than those in eukaryotic cells)	(1)

Question Number	Answer	Additional guidance	Mark
1(b)	<p>An answer that includes the following points:</p> <ul style="list-style-type: none"> • (capsule) prevents dehydration of cell (1) • (flagellum) for (cell) motility (1) 	<p>Mark first answer</p> <p>Accept capsule has adhesive properties / covers antigens / protection of cell from a correct factor e.g. {bacteriophages / phagocytes / antibodies / antibiotics / (described) harsh conditions}</p> <p>Accept movement of cell</p>	(2)