

Question	Marking Guidance	Mark	Comments
02.1	Concentration of substrate solution / of enzyme solution / pH;	1	
02.2	1. 2.5/0.04; 2. $\text{g dm}^{-3} \text{ minute}^{-1} / \text{g dm}^{-3} \text{ s}^{-1}$ ;	2	1 mark for correct value 1 mark for related unit
02.3	1. Initial rate of reaction faster at 37 °C; 2. Because more kinetic energy; 3. So more E–S collisions/more E–S complexes formed; 4. Graph reaches plateau at 37 °C; 5. Because all substrate used up;	5	Allow converse for correct descriptions and explanations for curve at 25 °C