Meiosis basics

Q1. (2018)

07.2	any **three** from: • (called) meiosis • DNA / chromosomes replicate **or** DNA makes a copy • two divisions to form 4 cells • so only 1 set of chromosomes per cell • (daughter cells / gametes) are all genetically different	correct spelling only allow cells are haploid ignore half the DNA if no other mark awarded allow **1** mark for forms gametes / cells which are all different **or** only happens in testes and (embryonic) ovaries	3	AO1 4.6.1.2

Q2. (2018)

07.3	(meiosis will not work because) number of chromosomes cannot halve	allow chromosomes cannot form pairs allow chromosomes cannot split up evenly	1	AO2 4.6.1.2

Q3. (2020)

04.1	four daughter cells are formed the parent cell divides twice		1 1	AO1 4.6.1.2

Q4. (2021)

05.6	synapse	allow synaptic cleft	1	AO1 4.5.2

Q5. (2023)

01.1	meiosis	allow phonetic spelling	1	AO1 4.6.1.1 4.6.1.2