The	e process of ultrafiltration in the kidney shares similarities with the formation of tissue fluid.
(a)*	Describe the similarities and differences between ultrafiltration and the formation of tissue fluid.
	[6]

(b) A person's glomerular filtration rate (GFR) provides an indication of the health of their kidneys. The GFR is a measure of the volume of blood that can be filtered by the kidneys every minute.

GFR can be estimated by monitoring the blood concentration of creatinine, which is a breakdown product of creatine phosphate in muscles.

(i) Suggest two characteristics of a patient that must be taken into account when using this

	GFR measurement to diagnose kidney damage.
	Explain why each characteristic must be considered.
	1
	2
	[4]
(ii)	If kidney damage is suspected, the patient's urine is likely to be tested for the protein albumin.
	Explain why the presence of albumin in the urine indicates kidney damage.

END OF QUESTION PAPER