

Question Number	Answer	Mark
4(a)	<ol style="list-style-type: none"> 1. (so) DNA/skin cells not protected from UV ; 2. so increased chance of <u>mutation</u> ; 	(2)

Question Number	Answer	Mark
4(b)	<ol style="list-style-type: none"> 1. {DNA damaged / reference to (somatic) mutation} by UV / other mutagen ; 2. cells divide faster than cell death / apoptosis reduced / eq ; 3. disruption of mechanisms controlling cell division / cell cycle / uncontrolled cell division ; 4. correct reference to mutation in tumour suppressor genes / oncogenes ; 5. reference to tumour as an abnormal / undifferentiated mass of cells ; 	max (3)

Question Number	Answer	Mark
4(c)	<ol style="list-style-type: none"> 1. some (cancerous) <u>cells</u> may have broken off / not all cancerous cells were removed ; 2. travels to other parts of the body in the <u>blood</u> / <u>lymph</u> ; 3. metastasis / secondary tumours ; 4. a different tumour may arise independently / eq ; 	max (2)