

Question Number	Answer	Mark
4(a)	1. the number of species ; 2. in {an area /one location /habitat} ;	(2)

Question Number	Answer	Mark
4(b)(i)	1. relevant comment on the { presence / absence / eq } of named species ; 2. reduced {species richness / biodiversity / number of species} ; 3. increase in numbers of {dandelion / plantain} because of less competition / eq ; 4. idea that this will have an effect on food chains ;	(2)

Question Number	Answer	Mark
4(b)(ii)	1. { number of different / variety of } alleles ; 2. in a { gene pool / population / species } eq;	(2)

Question Number	Answer	Mark
4 (c) (i)	<ol style="list-style-type: none"> 1. { take up less space / smaller } so more can be stored / eq ; 2. idea of greater genetic { diversity / variation } if large numbers of seed are stored ; 3. can be stored for a long time /reference to dormancy ; 4. idea of different species of plant being stored in { same/similar} conditions; 5. idea of not requiring maintenance in the same way as growing plants ; 6. reference to economic advantage / reduced cost ; 	(3)

Question Number	Answer	Mark
4(c) (ii)	<ol style="list-style-type: none"> 1. reduce { enzyme activity / metabolic processes / respiration / eq } in seed ; 2. seed less likely to germinate / seed kept dormant / eq ; 3. reduce { enzyme activity / growth / eq } of { bacteria / fungi / micro-organisms / eq }; 4. decreases rate of decomposition / eq ; 	(3)