

Biology Marking Scheme

Answer1: An explanation that makes reference to three of the following: (plants contain)

- cellulose (1)
 - digested by cellulase / enzyme (1)
 - into glucose (1)
 - energy released / respiration / eq (1)
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Answer2: humans do not digest cellulose / do not eat only plant material / omnivores / eat fewer / less plants / vegetables / eq (1)

Answer3: An answer that makes reference to two the following:

- removes useful bacteria / fewer / no useful bacteria / eq (1)
 - reduces competition / eq (1)
 - pathogenic bacteria increase / survive / multiply / grow / more harmful bacteria / eq (1)
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Answer4: involuntary / automatic / does not involve the brain / spontaneous / without thinking / unconscious / eq (1)

Answer5: protects from predators / only exposes hard shell /eq (1)

Answer6: An answer that makes reference to four of the following:

- variation (1)
- woodlice that roll up survive / not eaten /eq (1)
- reproduce / eq (1)
- pass on alleles/ genes (for rolling behavior) (1)