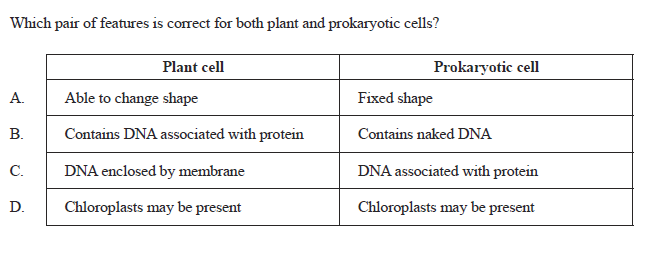
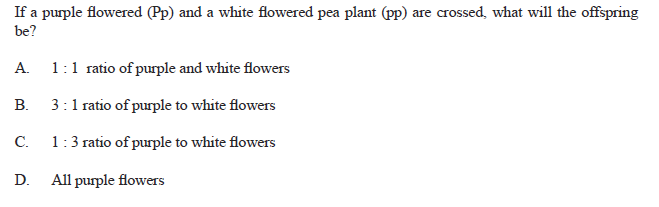
BIOLOGY  SL   Total   34                                            TIME  1 hour

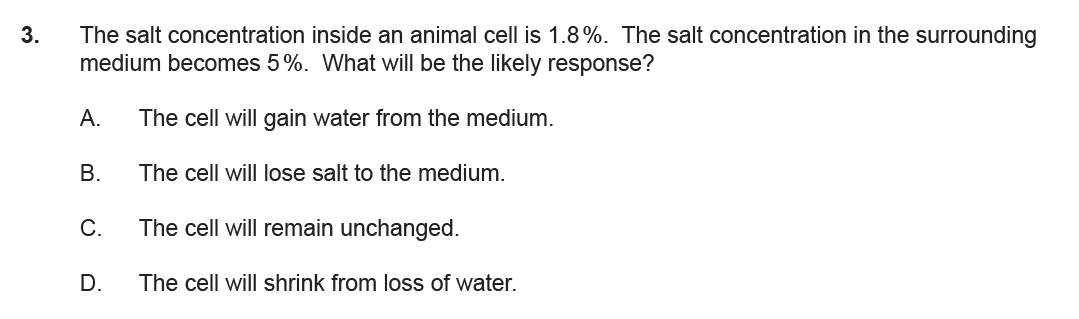
Section 1.

Each multiple choice question gives you one mark.

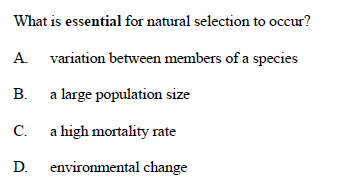


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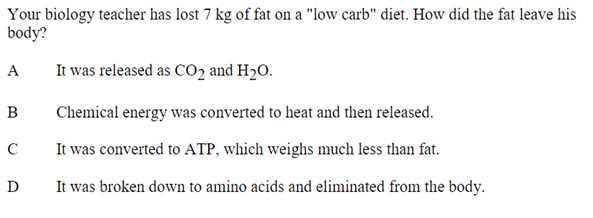




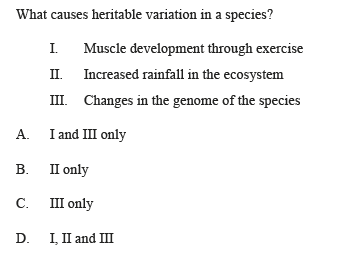
4



5.



6.



Section 2.

7.  Organic compounds are made of chemical elements, which are therefore essential to living

organisms.

(a) State the **three** most commonly occurring elements. **(1)**

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 (b) Some organic compounds contain other elements. State **one** substance, or group of

substances, that contains

1. nitrogen.

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 (ii) phosphorus.

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**8.** Describe the roles of proteins, fats, carbohydrates and nucleic acids in cells **(8)**

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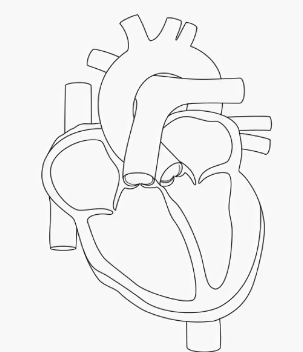
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9.  Label a simple diagram of the heart (in any language)                                 **(4)**



 10. Define the terms *gene* and *allele* and explain how they differ.                     **(3)**

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11. Explain why it is important that in an ecosystem the populations of plants, herbivores and carnivores are balanced.                                              **(4)**

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12. Draw and label the structure of an animal cell     **(6)**