

**GCSE Biology B (Twenty First Century Science)**  
**J257/01 Breadth in Biology (Foundation)**

**Question Set 11**

Multiple Choice Questions

1. (a) Cellular respiration takes place in all cells.

In which two parts of a cell does cellular respiration take place?

Tick (✓) **two** boxes.

- Cell wall
- Chloroplast
- Cytoplasm
- Mitochondria
- Nucleus

[2]

(b) Cellular respiration is described as an exothermic process.

What is an exothermic process? *reaction where heat is released so surrounding temperature rises*

[1]

(c) Which of the following statements are true for **anaerobic** respiration in animal cells?

Tick (✓) **true** or **false** for each statement.

Statement about anaerobic respiration in animal cells	True	False
Produces ethanol		✓
Produces lactic acid	✓	
Does not produce ATP		✓
Uses glucose	✓	
Uses oxygen		✓

[3]

(d) Electron microscopes can be used to see small cell structures such as mitochondria.

Which statement explains why?

Tick (✓) **one** box.

- They are easy to use.
- They are expensive.
- They have a higher resolution.
- They have a lower magnification.

[1]

**Total Marks for Question Set 11: 7**

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