

Respiration – 2021 O Level 5090

1. **Nov/2021/Paper_11/No.16**

Energy is needed for many processes within the body.

Which process does **not** require the use of energy?

- A contraction of muscles in the intestines
- B movement of oxygen from the alveoli into the blood
- C generation of nerve impulses
- D protein synthesis in cells

2. **Nov/2021/Paper_11/No.27**

Yeast is used in alcohol production.

What is the other product of this process?

- A carbon dioxide
- B oxygen
- C glucose
- D water

3. **Nov/2021/Paper_12/No.16**

What are uses of energy from respiration?

	active transport	diffusion	cell division	osmosis
A	✓	✓	x	✓
B	✓	x	✓	x
C	x	x	✓	x
D	x	✓	x	✓

key

✓ = yes

x = no

4. Nov/2021/Paper_12/No.27

What is the main role of yeast in the production of beers and wines?

- A to carry out aerobic respiration of sugar
- B to produce ethanol by fermentation
- C to release bubbles of carbon dioxide
- D to reduce the amount of sugar in the product

5. Jun/2021/Paper_11/No.16

What is **not** a feature of aerobic respiration?

- A It occurs in both plants and animals.
- B It releases a smaller amount of energy than anaerobic respiration.
- C It requires the presence of oxygen.
- D The end products are carbon dioxide and water.

6. Jun/2021/Paper_11/No.17

In an investigation, scientists treated plant roots with a chemical that stops aerobic respiration. They observed that after the treatment the plant roots absorbed nitrate ions more slowly.

Which statement explains this observation?

- A Anaerobic respiration does not release energy.
- B The plant cells cannot respire.
- C There is less energy for active transport of nitrate ions.
- D There is less energy for diffusion of nitrate ions.