

**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
<b>A</b>	✓	✓	x	✓
<b>B</b>	✓	x	✓	x
<b>C</b>	x	x	✓	x
<b>D</b>	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.