Gas Exchange **Exam Style Questions 1**

1. Cells require oxygen so that they can respire and produce energy. Which of the following shows the route taken by oxygen to reach the cells? ☑ the correct box.

   - nose › lungs › windpipe › bloodstream › cells ☐
   - nose › bloodstream › lungs › windpipe › cells ☐
   - nose › windpipe › lungs › bloodstream › cells ☐
   - nose › lungs › bloodstream › windpipe › cells ☐

2. Respiration takes place in the cells of all organisms. Complete the word equation for respiration.

   _____ + oxygen › carbon dioxide + _____ + energy

3. As a result of respiration, the proportions of oxygen and carbon dioxide in inhaled and exhaled air vary. Which of the following statements are true? ☑ the correct boxes.

   - Air breathed out has more carbon dioxide and more oxygen than air breathed in. ☐
   - Air breathed out has less carbon dioxide and less oxygen than air breathed in. ☐
   - Air breathed out has more carbon dioxide and less oxygen than air breathed in. ☐
   - Air breathed out has less carbon dioxide and more oxygen than air breathed in. ☐
   - Air breathed out contains more water vapour and more carbon dioxide than air breathed in. ☐

Gas Exchange **Exam Style Questions 1 Answers**

1. Cells require oxygen so that they can respire and produce energy. Which of the following shows the route taken by oxygen to reach the cells? ☑ the correct box.

   - nose › lungs › windpipe › bloodstream › cells ☐
   - nose › bloodstream › lungs › windpipe › cells ☐
   - nose › windpipe › lungs › bloodstream › cells ☑
   - nose › lungs › bloodstream › windpipe › cells ☐

2. Respiration takes place in the cells of all organisms. Complete the word equation for respiration.

   glucose + oxygen › carbon dioxide + **water** + energy

3. As a result of respiration, the proportions of oxygen and carbon dioxide in inhaled and exhaled air vary. Which of the following statements are true? ☑ the correct boxes.

   - Air breathed out has more carbon dioxide and more oxygen than air breathed in. ☐
   - Air breathed out has less carbon dioxide and less oxygen than air breathed in. ☐
   - Air breathed out has more carbon dioxide and less oxygen than air breathed in. ☑
   - Air breathed out has less carbon dioxide and more oxygen than air breathed in. ☐
   - Air breathed out contains more water vapour and more carbon dioxide than air breathed in. ☑