Get Energized with Cellular Respiration!

Student quiz — *Answer key*

Directions: Circle the best answer for each question below.

1. What is the purpose of cellular respiration?
   a. To move water across cells
   b. To make glucose from carbon dioxide
   c. To balance acidity inside cells
   d. To generate energy for the human body

2. Which of the following are the starting materials of cellular respiration?
   a. Glucose, oxygen, and water
   b. Glucose and oxygen
   c. Carbon dioxide, energy, and water
   d. Carbon dioxide, energy, glucose, oxygen, and water

3. The following table shows example results from experiments in which you recorded the color change while exhaling into water with indicator solution. Which of the experiments was done after exercising?

	Time until color change [s]
Experiment A	10
Experiment B	24

   a. Experiment A
   b. Experiment B

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Answer Key

Directions: Circle the best answer for each question below.

4. What end product of cellular respiration do you exhale?
   a. Carbon dioxide
   b. Oxygen
   c. Carbon monoxide
   d. Nitrogen

5. If you hold your breath when exercising, instead of exhaling, what might happen?
   a. Cellular respiration rates might increase.
   b. Carbon dioxide might build up in your body, turning your blood acidic.
   c. Your body might need less energy to continue exercising.
   d. Glucose levels in your body might increase.