



Cellular Respiration Quiz

Name: _____

Date: _____

Class: _____

1. What do the respiratory system and cellular respiration have in common?

- a. Oxygen plays a key role in both.
- b. They both rely on the heart.
- c. They both expel oxygen as a waste product.
- d. They have nothing in common.

2. What are the chemical products of cellular respiration?

- a. Water and amino acids.
- b. Carbon dioxide, nitrogen, and urea.
- c. Oxygen, lactic acid, and ammonia.
- d. Carbon dioxide, water, and ATP.

3. ATP is to your cells as _____ is to a car.

- a. the engine
- b. gasoline
- c. the tires
- d. the steering wheel

4. Which cells in your body undergo cellular respiration?

- a. Your heart cells
- b. Your skin cells
- c. Your brain cell
- d. Every cell in your body

5. How does your body get rid of the carbon dioxide produced by cellular respiration?

- a. Through your lungs.
- b. Through your urine.
- c. Through your sweat.
- d. Through your intestines.

6. In which organelles does cellular respiration take place?

- a. Nuclei
- b. Mitochondria
- c. Ribosomes
- d. Golgi bodies

7. Which produces more energy, aerobic respiration or fermentation?

- a. Fermentation
- b. Respiration
- c. They produce the same amount of energy
- d. It depends on the type of cell

8. How do we get the glucose we need to power our cells?

- a. Breathing
- b. Exercising
- c. Eating
- d. Drinking water

9. In fermentation, what do cells use instead of oxygen to break down glucose?

- a. Carbon dioxide
- b. Water
- c. Lactic acid
- d. Nitrogen

10. What's one major reason human cells have evolved to depend on aerobic, and not anaerobic, respiration?

- a. There's more oxygen in the atmosphere than any other gas
- b. Aerobic respiration is simpler than anaerobic respiration
- c. Aerobic respiration is faster than anaerobic respiration
- d. Aerobic respiration produces more energy than anaerobic respiration