Cellular Respiration and Photosynthesis

Complete the sentences with the correct form of the following.

respiration – glucose – oxygen – energy – carbon dioxide – water – external respiration – biogeochemical cycles– photosynthesis– anabolic– photosynthesis

1. The process by which the body breaks down food to release energy is called _____.
2. _____, _____, and _____ are needed for cellular respiration.
3. Cellular respiration produces _____, _____, and _____.
4. The exchange of gases between the organism and the environment is called _____.
5. The cyclical exchange of gases, where one process's waste product is another's essential input, is a fundamental principle of _____.
6. The process responsible for the conversion of inorganic carbon into organic compounds, ultimately fueling the biosphere, is known as _____s.
7. While cellular respiration is often described as a catabolic process, it is intrinsically linked to the _____ process of photosynthesis.
8. The oxygen released during _____ is a byproduct, but it plays a crucial role in sustaining aerobic life on Earth.

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