

Energy Utilization

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metabolism difference from that of an animals and birds by two aspects

Fish don't expand energy to maintain the body temperature different from that of their environment

Energy expenditure in stressed fish

consumption, carbon-di-oxide output and respiratory quotient.

Usually the ammonia quotient AQ. (Ratio of NH₃ to O₂ consumed) and Nitrogen quotient (Ratio of nitrogen excreted to oxygen consumed) increase indicating the increase involvement of protein metabolism.



exposed to stress decreases but the blood shows increasing trend.

Suggesting the high utilization of glycogen both aerobically and anaerolbically for deriving the energy to meet the demand.



may increase.

The depletion of oxygen in muscle tissues of the stressed fish suggest the utilization of glycogen for deriving energy to cope up with the stress imposed.

