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locomotion is found in animals
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controls its buoyancy and has a
propulsion system able to compete
with the resistance of water
movements. Many invertebrates,

especially mollusks, propel

themselves by water jets; others use undulatory movements of their soft parts. Aquatic locomotion | Britannica Some fish use multiple modes of locomotion. Walking fish may swim freely or at other times "walk" along the ocean or river floor, but not on land (e.g., the flying gurnard—which does not actually fly—and batfishes of the family Ogcocephalidae).

Amphibious fish, are fish that are able to leave water for extended periods of time. Animal locomotion - Wikipedia Modes of locomotion = swimming, walking/running, flying. The greatest differences in energy costs are due to the different physical properties of the medium through which travel occurs. 1) support provided by the medium. 2)

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resistance to movement through the medium. Swimming = near neutral buoyancy, so no energy goes into supporting the body; but high viscosity and density so high resistance. ENERGY COST OF LOCOMOTION Full text of "Animal locomotion : or, walking, swimming, and flying, with a dissertation on aëronautics" See other formats ... Full text of "Animal locomotion : or, walking, swimming ... The ability to minimize costs and maximize movement speed is part of the biomechanical physics of animal locomotion. For any type of active movement (e.g. walking, running, swimming, or flying), the animal is required to produce forces to overcome resistance and in many cases also gravity. Physics of animal locomotion - Oxford

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creep, hop, jump, fly, glide, paddle,

and swim. By studying nature and

observing animal movement

scientists can better understand

biomechanics, physiology,

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... Animal locomotion, in ethology,

is any of a variety of movements or

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