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25 interesting lungfish facts

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lungfish is a mon name any fish that belongs to the families lepidosirenidae and ceratodontidae can be called by this name 2 the lungfish is pretty widely distributed and can be found in three different continent africa australia and south america 3'

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'a review of the carboniferous lungfish genus ctenodus
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lungfish genus ctenodus is undertaken ctenodus is the
longest surviving genus of lungfish from the
carboniferous and is the only one to cross the lower
upper carboniferous boundary five species span the
period with species correlated to stage species are
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morphology'

'**lungfish metabolism the biology of lungfishes taylor**
April 26th, 2020 - lungfish provide a unique insight
into the evolution of metabolism in the vertebrates th
ey are living fossils anatomically and this is also
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distribution are indicative of the early evolutionary position they occupy'

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'pdf the biology of lungfishes chapter 13 the lungfish

April 17th, 2020 - the gastrointestinal tract of lungfishes contains a spiral valve as do the intestines of lampreys elasmobranchs sturgeons and coelacanth a spiral valve intestine is generally considered an original way of achieving increased surface area for'

'fooled by nature lungfish

June 1st, 2020 - on animal planet s series fooled by nature in africa the lungfish has the capability of breathing air outside of the water without rain or water the lungfish can hibernate for four years'

'biology of lungfish

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June 4th, 2020 - lungfish elongated fish from which the first amphibians developed found in shallow freshwater and swamps in africa south america and australia it has primitive lungs and during a dry season the various species can breath air or survive total dehydration by burrowing into the mud and enveloping themselves in a mucous cocoon order dipnoi''**the biology of lungfishes taylor amp francis group**

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'organization of the cholinergic systems in the brain of

March 24th, 2020 - lungfishes dipnoans are currently considered the closest living relatives of tetrapods the organization of the cholinergic systems in the brain has been carefully analyzed in most vertebrate groups and major shared characteristics have been described although traits particular to each vertebrate class have also been found in the present study we provide the first detailed information on'

'the biology of gobies crc press book

May 18th, 2020 - the biology of gobies written by over 30 experts from 15 countries summarizes what is known about the systematics ecology zoogeography and general biology of the gobiiformes this foundation will provide the basic information necessary for future studies the biology of lungfishes'

'lungfish adaptations for breathing britannica

June 4th, 2020 - lungfish lungfish adaptations for breathing there are a number of fishes that in addition to or in place of gill breathing have developed special ans through which they can breathe atmospheric air at the water surface this occurs almost exclusively in freshwater fishes in lungfishes these ans are both in function and in structure primitive lungs like those of amphibians'

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'lungfish fish britannica

June 3rd, 2020 - the australian lungfish lays gelatinous eggs among water plants the larvae which have no external gills breathe through internal gills behaviour and ecology lungfishes are voracious eating a variety of aquatic animals including members of their own species''lungfish

June 6th, 2020 - the modern lungfishes have a number of larval features which suggest paedomorphosis they also demonstrate the largest genome among the vertebrates modern lungfish all have an elongate body with fleshy paired pectoral and pelvic fins and a single unpaired caudal fin replacing the dorsal caudal and anal fins of most fishes lungs''the biology of lungfishes editors jørgen mørup

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June 3rd, 2020 - lungfishes are large freshwater lobe finned fishes that have the ability to breathe both dissolved and atmospheric oxygen through gills and primitive lungs respectively six species of lungfishes

remain worldwide four in africa *Protopterus* spp one in south america *Lepidosiren paradoxa* and one in australia *Neoceratodus forsteri*' **lungfish an overview**
sciencedirect topics

June 5th, 2020 - k r olson a p farrell in encyclopedia of fish physiology 2011 lungfish lungfish do not have typical secondary vessels and in their place is a well developed lymphatic system similar to that found in tetrapods therefore lungfishes including the african lungfish *Protopterus annectens* and *Protopterus dolloi* and south american lungfish *Lepidosiren paradoxa* may represent the transition'

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August 9th, 2019 - these data strongly support the hypothesis that the lungfishes and not the coelacanth are the closest relatives of the land vertebrates this result emphasizes the importance of the study of all aspects of the biology and genomics of extinct and extant lungfish our closest fish relatives'

'save the lungfish nature

May 15th, 2020 - this makes the lungfishes living fossils of great value in studying the biology of the earliest ancestors of land animals see e b daeschler et al nature 440 757 763 2006 studying the'

'**lepidosireniformes lungfishes encyclopedia**

April 2nd, 2020 - evolution and systematics the south american lungfish *Lepidosiren paradoxa* was the first lungfish species to be described in 1837 by leopold j f j fitzinger 1802 1884 it was originally discovered and collected from the river by johann natterer 1787 1843 a dedicated and ted austrian naturalist who collected extensively in brazil from 1817 1835'

'**the fossil record of lungfishes research flinders**

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'**lungfishes are not airheads plos blogs network**

April 29th, 2020 - in fact our knowledge of extant lungfishes their biology and their evolutionary relationships to other fishes or tetrapods was confusing at first the south american lungfish *Lepidosiren paradoxa* got its specific name due to its mosaic of fish and tetrapod characteristics and was thought to have been a reptile when it was described in 1836'

'the biology and evolution of lungfishes journal of April 11th, 2020 - click on the title to browse this issue'

'protopterus

June 5th, 2020 - african lungfishes generally inhabit shallow waters such as swamps and marshes they are also found in larger lakes such as lake victoria they can live out of water for many months in burrows of hardened mud beneath a dried stream bed they are carnivorous eating crustaceans aquatic insect larvae and molluscs biology'

'lungfishes primitive fishes

May 27th, 2020 - lungfishes sarcopterygii dipnoi are considered to be among the most primitive living fishes more specifically they are the oldest extant lineage of jawed bony fishes there are three families and six extant species of these ancient fishes four species are found in the family protopteridae african lungfishes and one species each in ceratodontidae australian lungfish'

'air breathing adaptation in a marine devonian lungfish

June 5th, 2020 - air breathing in lungfishes is not considered to be a shared specialization with tetrapods but evolved independently air breathing in lungfishes has been postulated as starting in middle devonian times ca 385 ma in freshwater habitats based on a set of skeletal characters involved in air breathing in extant lungfishes''lungfishes springerlink

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June 4th, 2020 - coelocanths the lungfishes are ancestrally related to the four footed land animals fossil lungfish have been found in the united states europe and india of the living specimens the most primitive is an australian species a stout bodied 5 ft 150 cm fish with paired fins set on short

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' **air breathing fish hibernate in pods on dry land video**

June 1st, 2020 - lungfish fossils date back 400 million years and lungfish are thought to be a mon ancestor of all tetrapods animals with four limbs researchers wrote in the book the biology of lungfishes'

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