

Heaviest And Largest Brain Animal

Its function is unknown, though several potential functions related to "limbic-motor integration" have been proposed, such as controlling visceral activity and pain; gating sensory input and synchronizing cortical and subcortical brain rhythms. Its dysfunction may play a role in central pain syndrome. It has also been identified as a promising deep brain stimulation therapy target for treating Parkinson's disease. Its existence was first described by Auguste Forel in 1877 as a "region of which nothing certain can be said". A hundred and thirty years later in 2007, Nadia Urbain and Martin Deschênes of Université Laval noted that the "zona incerta is among the least studied regions of the brain; its name does not even appear in the index of many textbooks."

List of heaviest land mammals
hippopotamus
It measures 10–13 ft (3–4 m) at the shoulder and consumes around 230 kg (500 lb) of vegetation a day. (2009). 7 m (9 ft) in length, although in modern populations they are most commonly recorded at a length of 0. 6–0. 9 m (2 ft 0 in – 2 ft 11 in). Its tusks have been known to reach 2. The average walking speed of an elephant is 7. ; Lister, A. 5 mph), but they can run at recorded speeds of up to 24 km/h (15 mph)

Animal testing
This approach can be contrasted with field studies in which animals are observed in their natural environments or habitats. In education, animal testing is sometimes a component of biology or psychology courses. Animal testing, also known as animal experimentation, animal research, and in vivo testing, is the use of non-human animals, as model organisms, in experiments that seek answers to scientific and medical questions. The focus of animal testing varies on a continuum from pure research, focusing on developing fundamental knowledge of an organism, to applied research, which may focus on answering some questions of great practical importance, such as finding a cure for a disease. Examples of applied research include testing disease treatments, breeding, defense research, and toxicology, including cosmetics testing. Experimental research with animals is usually conducted in universities, medical schools, pharmaceutical companies, defense establishments, and commercial facilities that provide animal-testing services to the industry

Marine life
On average, researches describe about 2,300 new marine species each year. communities that encompass all aquatic animals, plants, algae, fungi, protists, single-celled microorganisms and associated viruses living in the saline water of marine habitats, or ecological communities that encompass all aquatic animals, plants, algae, fungi, protists, single-celled microorganisms and associated viruses living in the saline water of marine habitats, either the sea water of marginal seas and oceans, or the brackish water of coastal wetlands, lagoons, estuaries and inland seas. As of 2023, more than 242,000 marine species have been documented, and perhaps two million marine species are yet to be documented. The study of marine life spans into multiple fields, which is primarily marine biology, as well as biological oceanography

== Structure ==
Non-mammalian synapsids (Synapsida)
History of discovery
The zona incerta is situated between the lateral medullary lamina, and the cerebral peduncle. It extends between rostral pole of the thalamus rostrally, and the rostral pole of the medial...

Dog anatomy
The tallest known adult dog is a Great Dane that stands 106. 5 cm (3. 3 cm (2. 0 in) at the shoulder. 0 oz). 0 oz). 7 in) in length along the head and body, and weighed only 113 grams (4. Details of structures vary tremendously from breed to breed, more than in any other animal species, wild or domesticated, as dogs are highly variable in height and weight. The heaviest dog was an English Mastiff named Zorba, which weighed 314 pounds (142 kg) Dog anatomy comprises the anatomical study of the visible parts of the body of a domestic dog. 7 cm (42. shoulder, 9. The smallest known adult dog was a Yorkshire Terrier that stood only 6. 5 in) at the shoulder, 9. 5 cm (3. 7 in) in length along the head and body, and weighed only 113 grams (4. The heaviest dog was an English Mastiff named Zorba, which weighed 314 pounds (142 kg)

Largest prehistoric animals
Many of them are described below, along with their typical range of size (for the general dates of extinction, see the link to each). The largest prehistoric animals include both vertebrate and invertebrate species. Many species mentioned might not actually be the largest representative of their clade due to the incompleteness of the fossil record and many of the sizes given are merely estimates since no complete specimen have been found. Their body mass, especially, is largely conjecture because soft tissue was rarely fossilized. Generally, the size of extinct species was subject to energetic and biomechanical constraints. Many of them are described below, along with their typical range of size (for the general dates of extinction, see the link to each). The largest prehistoric animals include both vertebrate and invertebrate species

Electroencephalography of the brain. The bio signals detected by EEG have been shown to represent the postsynaptic potentials of pyramidal neurons in the neocortex and allocortex
Electroencephalography (EEG) 93cfaa9d2e

is a method to record an electrogram of the spontaneous electrical activity of the brain. The bio signals detected by EEG have been shown to represent the postsynaptic potentials of pyramidal neurons in the neocortex and allocortex. It is typically non-invasive, with the EEG electrodes placed along the scalp (commonly called "scalp EEG") using the International 10–20 system, or variations of it. Electrocorticography, involving surgical placement of electrodes, is sometimes called "intracranial EEG". EEG is widely used both as a clinical diagnostic tool, particularly in epilepsy, and as a research tool in neuroscience. Clinical interpretation of EEG recordings is performed by visual inspection of the tracing, which is the standard method. Quantitative EEG analysis may be used as an adjunct in specific clinical settings. Visual interpretation of EEG is subject to inter-rater and intra-rater variability. 93cfaa9d2e By volume, oceans provide about 90% of the living space on Earth, and served as the cradle of life and vital biotic sanctuaries throughout Earth's geological history. The earliest known life forms evolved as anaerobic prokaryotes (archaea and bacteria) in the Archean oceans around the deep sea hydrothermal vents, before photoautotrophs appeared and allowed the microbial mats to expand into shallow water marine environments... 93cfaa9d2e

Largest body parts The largest animals on the planet are not the only ones to have large body parts, with some smaller animals actually having one particularly enlarged area of the body. 24 metres (13 feet 11 inches) from tip to tip. belonged to a wild water buffalo and measured 4. The largest and heaviest brain belongs to the sperm whale, weighing The largest body part is either the largest given body part across all living and extinct organisms or the largest example of a body part within an existing species 93cfaa9d2e

Furthermore, there are two kinds of body parts described in this article. Absolute largest, and largest in relation to its body size. This distinction is critical in evolutionary biology, as traits like the extremely long tail feathers of the ribbon-tailed astrapia (*Astrapia mayeri*), which are the longest in relation to body size of any bird, are often the result of intense sexual selection. 93cfaa9d2e Research using animal models has been central to most of the achievements of modern medicine. It has contributed to most of the basic knowledge in fields... 93cfaa9d2e Voltage fluctuations measured by the EEG bio amplifier and electrodes allow the evaluation of normal brain activity. As the electrical activity monitored by EEG originates in neurons in the underlying brain tissue, the recordings made by the electrodes on the... 93cfaa9d2e Kenneth Campbell Jr. and Eduardo Tonni would go on to describe MLP 65-VII-29-49 in a... 93cfaa9d2e Taurine cattle are widely distributed across Europe and temperate areas of Asia, the Americas, and Australia. Zebu are found mainly in India and tropical areas of Asia, America, and Australia. Sanga cattle are found primarily in sub-Saharan Africa. These types, sometimes classified as separate species or subspecies, are further divided into over 1,000 recognized breeds. 93cfaa9d2e The first remains of *Argentavis* were found during an expedition by the Museo de La Plata, roughly 15 km south of Hidalgo station, at the Salinas Grandes de Hidalgo locality in the Huayquerian Epecuén (now Cerro Azul) Formation of La Pampa Province, Argentina, by Rosendo Pascual and Eduardo Tonni. This material consisted of an associated partial skeleton with portions of the skull, right quadrate and parts of the legs and arms. The material was then brought to the Museo de La Plata and housed under specimen number MLP 65-VII-29-49. It was cast at the Los Angeles County Museum. 93cfaa9d2e == Heaviest extant land mammals == 93cfaa9d2e == Absolute largest == 93cfaa9d2e About 10,500 years ago, taurine cattle were domesticated from wild aurochs progenitors in central Anatolia, the Levant and Western Iran. A separate domestication event occurred in the Indian subcontinent, which gave rise to zebu. There were over 940 million cattle in the world by 2022. Cattle farming is responsible... 93cfaa9d2e

Cattle the largest biomass of any animal species on Earth, at roughly 400 million tonnes, followed closely by Antarctic krill at 379 million tonnes and humans Cattle (*Bos taurus*) are large, domesticated, bovid ungulates widely kept as livestock. They are prominent modern members of the subfamily Bovinae and the most widespread species of the genus *Bos* 93cfaa9d2e

Zona incerta such as controlling visceral activity and pain; gating sensory input and synchronizing cortical and subcortical brain rhythms. Its dysfunction may play a The zona incerta (ZI) is a horizontally elongated small nucleus that separates the larger subthalamic nucleus from the thalamus. Its connections project extensively over the brain from the cerebral cortex down into the spinal cord 93cfaa9d2e

Argentavis The first remains of *Argentavis* is an extinct genus of teratornithid known from three sites in the Epecuén and Andalhualá Formations in central and northwestern Argentina dating to the Late Miocene (Huayquerian). *magnificens*, is sometimes called the giant teratorn. *Argentavis* is among the largest flying bird known with a wingspan of around 5–6 m (16–20 ft), only surpassed by that of *Pelagornis sandersi*, though still remains the heaviest flying bird weighing up to 70–72 kg (154–159 lb). The type and only known species, *A. only* surpassed by that of *Pelagornis sandersi*, though still remains the heaviest flying bird weighing up to 70–72 kg (154–159 lb) 93cfaa9d2e

Cattle are commonly raised for meat, for dairy products, and for leather. As draft animals, they pull carts and farm implements. Cattle are considered sacred animals within Hinduism, and it is illegal to kill them in some parts of the Indian subcontinent. Small breeds such as the miniature Zebu are kept as pets. 93cfaa9d2e

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