

GREAT APES

					
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SPECIES	GORILLA Eastern Gorilla; Western Gorilla	CHIMPANZEE (also called Common Chimpanzee)	BONOBO (also called Pygmy, Dwarf, or Gracile Chimpanzee)	ORANGUTAN Bornean Orangutan; Sumatran Orangutan	GIBBON There are 16 species of Gibbons: Lar Gibbon; Bornean White-bearded Gibbon; Agile Gibbon; Müller's Bornean Gibbon; Silvery Gibbon; Pileated Gibbon; Kloss's Gibbon; Western Hoolock Gibbon; Eastern Hoolock Gibbon; Siamang; Northern Buffed-cheeked Gibbon; Black Crested Gibbon; Eastern Black Crested Gibbon; Northern White-cheeked Gibbon; Southern White-cheeked Gibbon; Yellow-cheeked Gibbon
SCIENTIFIC NAME	<i>Gorilla beringei</i> ; <i>Gorilla gorilla</i>	<i>Pan troglodytes</i>	<i>Pan paniscus</i>	<i>Pongo pygmaeus</i> ; <i>Pongo abelii</i>	<i>Hylobates lar</i> ; <i>Hylobates albarbaris</i> ; <i>Hylobates agilis</i> ; <i>Hylobates muelleri</i> ; <i>Hylobates moloch</i> ; <i>Hylobates pileatus</i> ; <i>Hylobates klossii</i> ; <i>Hoolock hoolock</i> ; <i>Hoolock leuconedys</i> ; <i>Symphalangus syndactylus</i> ; <i>Nomascus annamensis</i> ; <i>Nomascus concolor</i> ; <i>Nomascus nasutus</i> ; <i>Nomascus leucogenys</i> ; <i>Nomascus siki</i> ; <i>Nomascus gabriellae</i>
DISTRIBUTION	Angola, Burundi (possibly extinct), Cameroon, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Nigeria (75-110 Cross River Gorillas remaining in the country), Rwanda, Uganda	Angola, Benin (extinct), Burkina Faso (possibly extinct), Burundi, Cameroon, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Gambia (extinct, but re-introduced), Ghana, Guinea, Guinea-Bissau (possibly extinct), Ivory Coast, Liberia, Mali, Nigeria, Rwanda (possibly extinct), Senegal, Sierra Leone, Sudan, Togo (extinct), Uganda, United Republic of Tanzania	Democratic Republic of Congo (their range does not overlap with that of chimpanzees)	Sumatra, Borneo	Bangladesh, Borneo, Cambodia, China, India, Java, Laos, Malaysia, the Mentawai Islands, the Republic of the Union of Myanmar (Burma), Singapore, Sumatra, Thailand, Vietnam
POPULATION ESTIMATES*	Western Gorilla: Western lowland gorilla 94,500 Cross River gorilla 200 (Africa's most endangered Great Ape) Eastern Gorilla: Mountain gorilla 700 Eastern lowland gorilla 2,000 - 16,900	Eastern Chimpanzee: 76,400 – 119,600 Western Chimpanzee: 21,300 – 55,600 Central Chimpanzee: 70,000 – 116,500 Nigerian Chimpanzee: 5,000 – 8,000 Estimates for the total number of remaining chimpanzees range from 100,000 – 300,000 in the wild.	10,000 – 200,000	Sumatran Orangutan: 6,600 – 7,300 Bornean Orangutan: 45,000 – 69,000	Lar Gibbon: Unknown (due to lack of comprehensive surveys) Bornean White-bearded Gibbon: Unknown (due to lack of comprehensive surveys) Agile Gibbon: Unknown (due to lack of comprehensive surveys) Müller's Bornean Gibbon: 250,000 – 375,000 Silvery Gibbon: 4,000 – 4,500 Pileated Gibbon: Unknown (due to lack of comprehensive surveys) Kloss's Gibbon: 20,000 – 25,000 Western Hoolock Gibbon: Uncertain (due to unsurveyed habitats and uncertainty as to species identification in known habitats) Eastern Hoolock Gibbon: 10,000 – 50,000 (only about 170 individuals remain in India, and 50-300 individuals remain in China) Siamang: at least 22,000 Northern Buffed-cheeked Gibbon: Unknown (due to lack of comprehensive survey data) Black Crested Gibbon: 1,300 – 2,000 Eastern Black Crested Gibbon: 26 - 47 Northern White-cheeked Gibbon: Unknown Southern White-cheeked Gibbon: Unknown (due to lack of available population estimates from some range countries) Yellow-cheeked Gibbon: Uncertain (due to uncertainty as to species identification in known habitats)
POPULATION TRENDS*	In general, all populations of gorillas are in decline. The eastern lowland gorilla population has faced the most extreme population reduction, with an estimated 70% decline since 1994. Although tremendously small, the mountain gorilla population may be on the rise, making this group one of the only known populations of apes that is increasing. A recent survey estimated that the Virunga mountain gorilla population has increased from 250 individuals to 380 individuals since 1989 (17% increase). Despite civil wars in this area, the animals have been protected by national park agencies in Rwanda, Congo, and Uganda. Despite that localized success, the United Nations Environment Program estimates that most gorilla populations could become extinct within the next 10 – 15 years.	In general, all populations of chimpanzees are in severe decline and according to IUCN, this decline is expected to continue for the next three to four decades. A recent study showed that the chimpanzee population in the Ivory Coast dropped 90% in the past twenty years. The largest remaining populations occur in central Africa (Gabon, Democratic Republic of Congo, and Cameroon). They are now extinct in four (possibly six) of their 25 original range countries. Meanwhile, their numbers are extremely depleted in many other countries and in some areas only small remnant populations remain.	Because of the vast range in the baseline population numbers, accurate calculations of population trends are unlikely. However, researchers can look to the tangible habitat loss and other factors affecting the species to determine that the population is likely at the lower end of the estimated population range and continuing to decline. According to IUCN, the remaining populations have experienced a significant decline over the past few decades and will continue to decline for the next five decades.	The populations of both Bornean and Sumatran orangutans have declined by 50% to 80% in the past 75 years. According to some estimates Sumatran orangutans are disappearing at a rate of 1,000 individuals per year. However, in 2003 a new population of Sumatran orangutans was established in the Bukit Tigapuluh National Park (Jambi and Riau Provinces). The population, which is made up of confiscated illegal pets who have been re-released into the wild, currently numbers at least 125 individuals, and is reproducing naturally. The Bornean Forestry Ministry announced plans in early 2011 to release 1,200 confiscated orangutans back into the wild. However, rampant habitat destruction and poaching may prevent the successful re-establishment of those animals in forest reserves.	According to IUCN, all species of gibbons are in decline, averaging a 50% population reduction in the past five decades. Some species, such as the Black Crested Gibbon and the Eastern Black Crested Gibbon, have experienced an 80% population reduction during that period.
HABITAT	All gorilla populations are increasingly being forced into fragmented and isolated habitats. Mountain gorillas live in a trans-national gorilla reserve on the slopes of extinct volcanoes in the Virunga Mountain Range. Eastern and western lowland gorillas inhabit dense rain forests and swamps.	Chimpanzees live in a wide variety of habitats, including tropical rain forests, forest edges and clearings, open woodlands, swamp forests, bamboo forests, and savannas.	Bonobos inhabit a relatively large range of tropical lowland rainforests of the Congo Basin, south of the Congo River. Despite the large range size (which is about the size of the United Kingdom), bonobos populations are scattered, disconnected, and often isolated from one another.	Orangutans, which once thrived throughout Southeast Asia, are now found only in the tropical rainforests of Borneo and Sumatra. Bornean orangutans do not occur throughout the entire island and their distribution is patchy throughout their remaining range. Likewise, Sumatran orangutans have disappeared from many parts Sumatra. Today, they are largely restricted to the northern part of the island and populations are becoming increasingly fragmented. Recent scientific studies have determined that isolated local populations consisting of less than 50 individuals are not viable and will likely become extinct within 100 years. In general, all orangutans are arboreal, meaning that they spend most of their time in trees. (Sumatran orangutans spend more of their time in trees than their Bornean counterparts.) As a result, they are highly dependent on forested habitats for their survival. All orangutans tend to prefer low-lying flood-prone forests and swamplands because of the higher abundance of fruits in those areas.	All species of gibbons are completely arboreal (tree-dwelling) and occur exclusively in tropical and subtropical rainforests.
STATUS	U.S. Endangered Species Act: Endangered CITES: Appendix I IUCN RedList: Endangered (one of four sub-species) Critically Endangered (three of four sub-species) African Convention: Class A (hunting or capture of the species are prohibited unless in the national interest or for scientific purposes)	U.S. Endangered Species Act: Endangered (wild) Threatened (captive) CITES: Appendix I IUCN RedList: Endangered (i.e. facing a very high risk of extinction in the wild in the near future) African Convention: Class A (hunting or capture of the species are prohibited unless in the national interest or for scientific purposes)	U.S. Endangered Species Act: Endangered CITES: Appendix I IUCN RedList: Endangered (i.e. facing a very high risk of extinction in the wild in the near future) African Convention: Class A (hunting or capture of the species are prohibited unless in the national interest or for scientific purposes)	U.S. Endangered Species Act: Endangered CITES: Appendix I IUCN RedList: Endangered (Bornean Orangutan) Critically Endangered (Sumatran Orangutan)	U.S. Endangered Species Act: Endangered CITES: Appendix I IUCN RedList: All species except the Eastern Hoolock Gibbon are either Endangered or Critically Endangered

	If a silverback is killed, the entire group suffers. Rather than having the next male in line take his place in the existing group, females may join an entirely new group and their dependent children may be killed by the new group members.	square miles to a few hundred square miles. Male chimpanzees are territorial and will actually patrol their territory and defend it in battles against other chimpanzee groups.	be aggressive for any reason (although attacks can occur occasionally). If an aggressive incident occurs, it is usually immediately followed by hugging, friendly touching and sexual contact. Bonobo females maintain very tight social bonds, as do mothers and their sons.	or to cohabitate temporarily for mating purposes. Females and younger males are the most social, whereas "flanged" (fully physically mature) males are less tolerant of social interactions with other "flanged" males. Individuals, rather than groups, have defined (but overlapping) territories. Females tend to remain in their home ranges permanently whereas males may disperse and become transient, in search of areas without other adult males. Females and young adult males are not territorially aggressive. In fact, orangutans are generally not aggressive towards humans or each other. Occasionally, older adult males quarrel over females and control of territory.	Black-crested Gibbons are not monogamous; rather, they live in small groups (averaging 5-8 members) which generally consist of one adult male, and a few adult females and their dependant offspring.
DIET	Each species of gorilla eats a slightly different diet, based on the variety of foods available in their habitats. Generally, their diets consist of vegetation (such as wild celery, nettles, bamboo, flowers, and thistles), berries, and fruit. Western and eastern lowland gorillas, who primarily occupy rain-forests, tend to include more fruit in their diets than the mountain gorillas who don't have access to as much fruit. Occasionally, gorillas eat ants, worms, grubs, or other insects, but they do not hunt or eat meat. An adult gorilla can consume 40-60 pounds of vegetation a day.	Chimpanzees are omnivorous and their diets vary based upon seasonal food availability. Fruit comprises the bulk of their diets; however they also eat leaves, seeds, bark, flowers, nuts, eggs, insects, and occasionally other mammals like monkeys. According to researchers, meat comprises only about 3% of the chimpanzees' diet, and hunting is usually done by the males. Although they spend a good part of each day looking for food, they do remember and revisit preferred food locations and even know what time of year to return for ripe fruits. Chimpanzees drink water, often by using a chewed leaf as a sponge.	Bonobos are omnivorous, though according to researchers, about 99 percent of their diets come from plant sources. Fruit is their primary dietary staple, followed by leaves, flowers, aquatic vegetation, seeds, honey, eggs, mushrooms, insects, worms, and occasionally fish and small animals. They have also been observed eating clay and soil which are key sources of essential minerals.	Orangutans are omnivorous, though the bulk of their diet (about 60% – 90%) consists of fruit. One of their main staples are figs, which are available year-round in Sumatra. Other preferred fruits include mangoes, lychees, jackfruit, and durians. They have been observed eating more than 400 different types of plants, as well as bark, sap, nuts, bird eggs, honey, insects, and occasionally small animals. Like other apes, they also eat soil, which provides the animals with essential minerals and facilitates absorption of certain plant metabolites.	Gibbons are omnivores and their diets vary based upon the species and local availability of foods. Generally, fruit constitutes about 50% to 75% of their diet, though they also eat plants and leaves, berries, flowers, seeds, tree bark, insects, spiders, bird eggs, and small birds.
LIFESPAN	30 - 50 years in the wild; up to 53 years in captivity	35-40 years in the wild; up to 60 years in captivity	Unknown in the wild (they have not been continuously studied in the wild quite long enough to gather statistically significant data on their average lifespan); up to 60 years in captivity	30-58 years in the wild; up to 56 years in captivity	Average lifespan varies among species, but is generally 20 to 40 years (depending on the species and whether they are captive or in the wild). The lifespan of some species of gibbons in the wild is not known due to a lack of wild population studies.
INTERESTING FACTS ABOUT THE APES	<ul style="list-style-type: none"> Although gorillas have historically been portrayed as vicious animals, this is inaccurate; they tend to be shy and peaceful unless they are threatened. Even when they are threatened and appear aggressive, such displays are intended to scare off the threat, rather than instigate a fight. Captive gorillas have been taught to use American Sign Language to communicate with humans and other signing apes, and some gorillas can understand spoken English. In the wild, gorillas communicate with each other using vocalizations, physical gestures, facial expressions, and odors. So far, researchers have been able to isolate at least 25 unique gorilla sounds and identify what they mean. Like humans, gorillas, chimpanzees, bonobos, and orangutans laugh. Gorillas cannot swim. Although gorillas can climb trees, they spend most of their time on the ground. Gorillas build nests to sleep in each night and sleep about 12 hours total each day. Like chimpanzees, gorillas have been observed using tools in the wild. Scientists have observed gorillas using sticks to gage the depth of water that they were trying to wade through. Other gorillas have used tree stumps as bridges. Like chimpanzees and bonobos, gorillas utilize medicinal plants to treat physical ailments like intestinal parasites. 	<ul style="list-style-type: none"> Chimpanzees and bonobos are the animals that are most closely related to humans (they share 98.6% of their DNA with humans). In fact, they are more closely related to humans than to gorillas or orangutans. Like gorillas and bonobos, chimpanzees make and use tools. For example, they use sticks to fish for termites or to get honey from beehives, rocks to crack open nuts, spears to hunt with, and leaves as napkins and sponges to soak up water. Different communities make and use tools differently and pass those techniques down from one generation to the next. There is archeological evidence of tool use by chimpanzees from 4,000 years ago. Chimpanzees consume medicinal plants to treat ailments such as intestinal parasites, skin diseases, abscesses, digestive upsets. Many of those medicinal plants are also used by humans to treat the same ailments. Scientists have been observing and recording the consumption of plants by chimpanzees to perhaps discover additional medicinal uses of some plants for humans. Like tool-use, the medicinal use of plants varies among different communities and is passed down from one generation to the next. Captive chimpanzees have been taught to use American Sign Language to communicate with humans and other signing apes. They even combine words to invent novel compound words. For example, one chimpanzee named Washoe, called a swan a "water bird." Another chimpanzee, Moja, invented the label "listen drink" for Alka Seltzer. Like humans, gorillas, chimpanzees, bonobos, and orangutans laugh. Chimpanzees cannot swim. Adult chimpanzees are much stronger than adult humans. In fact, according to current estimates, they are anywhere from 2 to 7 times stronger than humans. Like gorillas, chimpanzees build nests to sleep in every night. 	<ul style="list-style-type: none"> Bonobos are the least understood of the Great Apes. This is due in large part to the fact that they were not identified as a separate species from chimpanzees until 1926. Field studies of the animals began in 1973 and have been limited, first because of the remoteness of their habitat, and more recently because of ongoing civil wars in the area. Bonobos and chimpanzees are the animals that are most closely related to humans (they share 98.6% of their DNA with humans). In fact, they are more closely related to humans than to gorillas or orangutans. Like gorillas and chimpanzees, bonobos make and use tools. Unlike chimpanzees, bonobos also use tools while they are playing. Captive bonobos have made fires on their own (without being taught) when given matches (and they roasted marshmallows on the fires). Bonobos can play musical instruments (like the piano and synthesizer) and have demonstrated rhythmic sophistication and improvisational skills in making music. Scientists have recently discovered that bonobos and humans have a similar brain cell organizational structure and distribution (called VENS, spindle cells, or Von Economo Neurons). These brain cells are responsible for the ability to understand, and empathize with, another's mental state. Like humans, gorillas, chimpanzees, bonobos, and orangutans laugh. Bonobos cannot swim; however, they have been observed wading through water and fishing with their hands. Like chimpanzees and gorillas, bonobos utilize medicinal plants to treat various ailments like intestinal parasites. Bonobos have been taught to use American Sign Language to communicate with humans and other signing apes. Also, they can understand spoken English. Researchers have discovered that bonobos have highly developed language skills. Individuals that were taught to communicate with humans utilized advanced conversational techniques like turn-taking, pauses, repetition, and negotiation. Bonobos are extremely playful. They have been observed playing a game where one bonobo stands on top of a rock while the others try to force him (or her) off the rock. Another game involves several animals covering their eyes while they chase each other. Some captive bonobos have been observed making silly faces for their own entertainment and dancing for fun. Game-playing is one of many cultural differences among bonobos. Group members pass down their games from one generation to the next and as a result, different groups each have their own unique types of games. Like chimpanzees and gorillas, bonobos build nests to sleep in every night. Unlike the other apes adult bonobos occasionally share nests. 	<ul style="list-style-type: none"> Humans and orangutans share 96.4% of our DNA. Like humans, gorillas, chimpanzees, bonobos, and orangutans laugh. Although wild orangutans are generally not aggressive towards humans, researchers have found that captive apes that are re-released into the wild do tend to be aggressive towards humans. In an unrelated 2003 study of diseases among confiscated orangutans, scientists found that most of the confiscated apes in the study had physical injuries caused by knives, ropes, or chains and/or fractured bones. Perhaps there is a correlation. Until a few years ago, scientists maintained that like other apes, orangutans cannot swim. However, in 2009 a group of 12 orangutans were filmed swimming in the Rungan River in Borneo. According to observers, the animals appeared to be splashing around and swimming for fun. This was not an isolated incident; the animals are known among local residents for their fondness of swimming. Captive orangutans have been taught to use American Sign Language (ASL), though there have been fewer ASL studies involving orangutans than those involving chimpanzees or bonobos. Like gorillas, chimpanzees, and bonobos, orangutans make and use tools. For example, they have been observed using leaves as napkins or toilet paper, large leaves as umbrellas, and sticks to collect insects. Captive chimpanzees have built a long pole by connecting several small sticks to reach an object, stacked boxes to make ladders, dug holes with sticks, and made swings. Like gorillas, chimpanzees, and bonobos, orangutans use medicinal plants to treat their physical ailments. According to some sources they use over 100 different medicinal plants with various healing properties. While some plants are taken internally, others (like the anti-inflammatory plant Commelina) are chewed into a paste and rubbed onto their skin. Like gorillas, chimpanzees, and bonobos, orangutans build nests to sleep in every night. In the 1980's, a captive orangutan spontaneously began to whistle after hearing a human caretaker make the sound. This was significant as no orangutan has ever been observed making such a sound before. That orangutan subsequently taught other orangutans to whistle as well. 	<ul style="list-style-type: none"> According to some estimates, 70% of all apes are gibbons. Gibbons can swing up to 50 feet in a single leap, at speeds of up to 35 mph. As a result of their acrobatic maneuvers, researchers suggest that most gibbons suffer one or more bone fractures throughout their lives. Scientists have observed mirror self-recognition in gibbons. Like other apes, gibbons use tools. At least one captive gibbon has been taught some American Sign Language. When they walk on the ground (which is quite rare), gibbons walk bipedally (on two legs, like humans) In 2010, scientists discovered the most recent species of gibbon, the Northern Buffed-cheeked Gibbon, which occurs in Vietnam, Laos, and Cambodia. Like other apes, gibbons cannot swim. Unlike other apes, gibbons do not make nests to sleep in; rather, they tend to sleep alone or in their small groups in tree branches.