



BUDDIES

**FIND YOUR FRIENDS
ANYTIME, ANYWHERE,
BY PUTTING THEM ON
YOUR BUDDY LIST.**

JAMAA IS A BIG PLACE WITH LOTS going on. Keep track of your buddies with the buddy list. Look for the buddies icon at the top left corner of your screen.

Each Jammer can have up to 100 buddies on their list. If your list gets full, you can turn off buddy requests by going to

the icon that looks like a gear in the top right corner of your screen. You can also remove buddies from your list at any time. Be careful! Once they're removed, you'll have to find them again if you want to re-add that Jammer to your buddy list.

Keep Jamaa a Friendly Place!

Here are some tips on how to make and keep friends:

- **BE KIND**
If you get angry, don't hurt someone's feelings.
- **BE RESPECTFUL**
Everyone is different, and that's okay!
- **DON'T GOSSIP**
Even when the people you're talking about are not around.
- **BE SUPPORTIVE**
True friends are happy for you when you get a cool new item or win a game. Congratulate other players, too.
- **A REAL FRIEND WON'T ASK YOU TO BREAK RULES**
Or lie, cheat, or do any other activities that can hurt you or others.



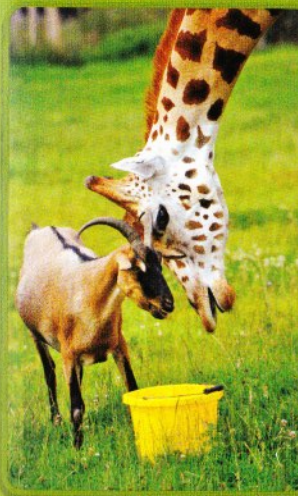
Real-Life Animal Buddies

IF A TIGER AND A BUNNY CAN BE FRIENDS IN JAMAA, WHAT'S STOPPING a giraffe and a goat from being friends in real life? Nothing! Check out these unusual animal buddies.



Orangutan keeps pet cat!

When Tonda the orangutan's mate died, she became very depressed. She even lost interest in her favorite hobby: painting. But when an orange tabby cat named T.K. came into her life, Tonda found something to smile about again. The orangutan, who lives in a zoo, plays with, pets, and feeds T.K. The cat inspired Tonda to start painting again. Wonder if she's done any portraits of her favorite feline friend?



Duck dotes on dog!

Don't quack up, but Cleo the Labrador retriever mix has a devoted duck pal that follows her everywhere. Sterling the duck sleeps with his head on Cleo's tummy and munches on her dog chow. The pair spend their days exploring their backyard and playing in a pond. Now isn't that just ducky!



Giraffe hangs out with goat!

Gerald the giraffe is the only one of his kind in a wildlife sanctuary in England. The zookeepers moved a friendly goat named Eddie in with him. They've been best buds ever since! Gerald licks Eddie on the head, and the goat hugs the giraffe's long neck with his legs. Don't mess with Gerald's BFF! When Eddie is bothered by the zebras who live at the sanctuary, Gerald chases them away!

ALPHA TIP

If another Jammer makes you feel uncomfortable or scared, don't respond! You should ignore them, then report and block the player, and finally, log out. Immediately tell your parents or a trusted adult. The next time you log back into Animal Jam, try choosing a different world and locking your den. If that player is on your buddy list, unbuddy them. They won't be able to bug you anymore!

Liza



MONSTERS OF THE DEEP

TO SURVIVE IN THE DEEPEST place on Earth, deep-sea organisms have to adapt to total darkness, crushing pressures, and cold water temperatures.

Living in the dark means that many organisms that live in the deep sea lack color or are transparent. Some look like they could be aliens from another world!

Many of these animals feast on decaying microbes, algae, plants, and dead animals from the upper zones of the ocean that have sunk to the bottom. When the hagfish comes across a carcass, it burrows into it and then eats the decaying corpse from the inside out!

Another unique adaptation of ocean trench animals is deep-sea gigantism. Most famous is the elusive giant squid. The biggest one ever recorded was 43 feet (13 m) long and may have weighed nearly a ton (0.9 MT)!

Deep-Sea Creatures

Meet some of the deep-sea denizens that live in ocean trenches. Scientists believe that many more unusual animals are just waiting to be discovered in these vast unexplored areas of the world!

▲ Anglerfish

The appendage sticking over the anglerfish's mouth is a dorsal spine that the fish uses as a fishing pole! The tip of the spine is bioluminescent, or glowing, and acts as a lure to attract smaller fish.

Hatchetfish

Built-in night-lights! The organs that line the belly of this bizarre-looking fish glow as bright as daylight and are used to confuse predators.

Viperfish

The viperfish's jagged, needle-like teeth are so big that these fish can't close their mouths. They use the glowing organs in their body to lure in prey.

Gulper Eel

Gulper eels get their names from their enormous mouths, and some have mouths longer than their bodies. Their stomachs can expand, allowing these eels to eat food bigger than they are.

Giant Squid

A giant squid's eyeballs are the same size as a beach ball! Those huge eyes help the creature see in the murky waters it lives in.

Alien Deep: Below, crabs crawl over Riftia tubes growing on hydrothermal vents. At right, deep-sea vents spew minerals that form when the hot fluid mixes with seawater.



Hydrothermal Vents

Deep-Sea Smokers

THE GEYSERS OF THE OCEAN floor are hydrothermal vents. Hot water is pushed out through the vents as seawater circulates through volcanic rocks. As a result, these deep-sea smokers emit warm, mineral-rich water that contains iron, copper, zinc, and hydrogen sulfide.

This mineral concoction works as a substitute for sunlight to the organisms that live in the deep sea. They can't use photosynthesis, the process by which plants make energy from sunlight that most life on Earth depends on. Instead, the vents allow chemosynthesis to take place. It's a process that organisms use to make food without needing sunlight.

Chemosynthesis makes hydrothermal vents a popular place to live in the deep sea! Thriving chemical-based

communities surround these vents, and it's the only system on Earth where life can flourish with zero sunlight. The life that is supported here includes tube worms, fish, crabs, octopuses, snails, and clams.

Scientists believe these amazing environments could be the birthplace where life on Earth began! The reaction between the salty ocean water and the chemicals produced from hydrothermal vents might have paved the way for the first biological molecules on the planet.





Trade your unwanted items for new ones by using Jamaa's trading system!

DO YOU HAVE TOO MANY ITEMS IN your collection? Is there stuff you never wear and never want to wear again? Go ahead and trade it! It's a great, safe way to discover new items. Click on your Animal picture in the lower left-hand corner of the screen and click on the tab that says "Trade." You can add items to your trade list so other Jammers can see what you'd like to trade.

ALPHA TIP

Some players might try to unfairly get items from others. That's why Animal Jam HQ created the trading system. If a Jammer wants to trade with you, but asks you to send them a gift through a Jam-A-Gram instead of using the trading system, don't do it. The trading system was invented to keep things fair.

greely



You can even check out what other Jammers are offering to trade if you're looking for cool new stuff.

If you're a little confused by the trading system, click on the info button at the bottom of your trade list. You can watch a helpful video that teaches everything about trading. You'll be an expert trader before you know it!

I'll Scratch Your Back If You Scratch Mine!

IN JAMAA, ANIMALS CAN TRADE A PAIR OF WINGS FOR A SOFA, BUT WHAT about in the real world? Animals don't trade objects, but sometimes they help each other out by trading services. When animals do this it's called a symbiotic, or a mutually beneficial, relationship.



Clean my teeth and eat the crumbs!

That arrangement might not sound appealing to you, but to an Egyptian plover it's a dream job. These daring birds hop right inside a crocodile's mouth to eat the tiny bits of food stuck in its teeth. Why doesn't the crocodile eat the plover? Because while the plover is getting a free meal, the crocodile is getting a teeth cleaning that will prevent infections and keep the croc healthy. It's a win-win for both animals!



Help! These parasites are bugging me!

Large mammals, like hippos and water buffaloes, can be crawling with lice, ticks, and other insects. That's not fun. But what's a hippo to do? Find an egret who loves snacking on creepy crawlies! In addition to an all-you-can-eat bug buffet, the birds get the protection of the large animals and a free ride. In exchange, the mammals get relief from the biting and itching caused by those annoying bugs.



Let me drink your sweat and I'll protect you!

There's just something about the dew patches that rain forest caterpillars produce on their backs that are irresistible to certain ants. The ants love drinking the sweet dew so much that they will protect the caterpillar like a bodyguard. They are even known to carry the caterpillar to its nest at night for safety. Wonder if they tuck it in and read it a bedtime story, too?