

Animal and Human Psychology

ABSTRACT:

Research on animals may harm them if not taken proper care of them. It's really riveting to know more about the animal behaviour, but sometimes we humans injure the animals knowingly or unknowingly.

We should respect the animal's freedom as most of the animals are caged or are separated from their family while the researchers do their job.

Keywords: - Animals

INTRODUCTION:

Have you ever wanted to communicate with an animal? Be it a pet or some random street animal, we all have tried to talk to an animal to see if it understands us or not. We have only seen these epic human-animal talk in movies such as "Spirited away", "Doctor do Little", etc.

Now it has become a reality. We try to communicate and understand how an animal feels, behaves, how it adapts to the different habitat, and many more interesting things. Animal psychologists are fascinated by these lovely creatures who live in the deep canopies and detritus of the forests (Wachman, 2018).

Many of us have heard the saying, "A dog is a man's best friend". But it is not necessary that only docile animals can be the best buddies of man (Archer, 1997; Udell et al., 2008; Groves, 1999). Many humans have bonds with the beasts of the jungle, and they are known as the Animal Psychologists.

THE BOND OF ANIMALS AND HUMANS:

Psychologists have studied many animals which varies from our ancestors, the chimps, to the other unrelated animals.

32 They study animals so that they can find out primarily two things:

33 I) The uniqueness of the animals lies in it's mind Thus, to find the
34 capability of the animal's mind.

35 But this could cause you a rough neck. Many of the pet owners have faced
36 the difficulties of teaching the animal some humanly manners. Researchers
37 have spent centuries studying the same animal, but in vain. But the fun part
38 in this is, the psychologists get attached to the animals and the other way
39 around.

40 II) The tool which humans use a lot in the modern times: emotions.

41 They see the perspective of the animals by talking to them and studying
42 their reactions towards their different emotion filled calls.

43

44 **ANIMALS WHICH ARE THE FAMOUS FOR THEIR** 45 **TALENTS:**

46

47 **Hans the Horse:**

48 Psychologists have been fascinated by how animals are truly capable of
49 human-like brains.

50 In the early 1900s, A horse named Der kluge Hans which translates to
51 Clever Hans, has answered all the questions asked to him in a dramatic
52 fashion through his public performance in Berlin (Samhita & Gross, 2013). He
53 was trained by a mathematician, Wilhelm Von Ofsten. This brilliant horse
54 becomes more talented as he could do simple arithmetic and tell the time
55 by using its hooves to tap the ground and imitate letters (Agrillo & Miletto
56 Petrazzini, 2012).

57 It's strange as well as incredible to know that Hans could also identify the
58 painters by seeing their paintings or detecting the composers of the
59 euphony.

60 We all could think that this story is fake, but it is 100% true; The German
61 board of Education played the detective to find any foul play, but there was
62 no evidence of it being an impostor.

63 **Pavlov's Dogs:**

64 In 1870's, Russian psychologist, Ivan Pavlov studied dogs. Now you may
65 wonder what is so special in dogs? But Pavlov's reason to feature dogs in
66 most of his introductory psychology class and textbook is due to the dog's
67 understanding and learning the principle of classical conditioning. Pavlov
68 had discovered classical condition by accident (McLeod, 2018). He noticed that
69 the dogs salivate as a response to few meaningless cues such as the ring of
70 bells, smell of food, etc. This has become challenging for other
71 psychologists as there is more to the classical conditioning.

72 **Washoe the Chimp:**

73 The deaf and dumb use sign language to communicate, but have you ever
74 seen a chimp communicate with sign language? This has been a long-
75 running question in animal psychology has been whether human language
76 can be taught to animals. In the early last century, an experiment lingered
77 in the minds of a couple. Our primates might be capable of learning human
78 language if they were raised in human culture (Göksel et al., 2009). This
79 prompted the couple, Luella and Winthrop Kellogg to raise the chimp Gua
80 alongside their son. It ended in failure, with Gua unable to speak. Decades
81 later, animal researchers realised our non-human primates would never
82 speak because of the different anatomy of their mouth and vocal chords.

83 Recognition of this anatomical fact led to an intense period of work to teach
84 apes sign language and, later, communication by symbols on a picture
85 board. The first chimp to be taught sign language was Washoe. Washoe
86 hailed from West Africa and was adopted by a spousal psychologist team,
87 Allen and Beatrix Gardner (Gardner & Gardner, 1969). Washoe eventually
88 learned to use over 250 different signs. There is disagreement over
89 whether Washoe ever really invented new words, such as the time she
90 allegedly signed "water", "bird" at the sight of a swan.

91

92 **Koko the Gorilla:**

93 Most of the ape language studies have involved chimps, but one particularly
94 famous exception is Koko the Gorilla, who has been taught sign language
95 and English for decades by the psychologist Francine Patterson (Specter,
96 2014). A few years ago Koko made headlines around the world when it was
97 alleged by the Gorilla Foundation in California that she was mourning the
98 passing of actor and comedian Robin Williams, who she'd met for an
99 afternoon in 2001. A YouTube clip of their encounter has been viewed over

100 three million times. Koko has also starred in her own books, including a
101 children's book, *Koko's Kitten*, and been the subject of several film
102 documentaries, most recently a BBC programme *Koko: The Gorilla who*
103 *talks to people*. "What we can really learn from this extraordinary science
104 experiment turned love affair?" asks the film, highlighting in a nutshell one
105 key problem with this entire field – the emotional closeness between
106 researchers and the animals they study, challenging the pursuit of scientific
107 objectivity.

108 The sad thing about the story of Koko and the other apes made famous by
109 their part in psychological study is that the whole field has crashed, not
110 only because of methodological criticism, but also amid accusations of
111 animal mistreatment. A recent Slate article summed up the situation: "No
112 new studies have been launched in years, and the old ones are fizzling out.
113 A behind-the-scenes look at what remains of this research today reveals a
114 surprisingly dramatic world of lawsuits, mass resignations, and
115 dysfunctional relationships between humans and apes." Similarly, a major
116 new paper in *Annual Reviews of Anthropology* by Don Kulick says, "The
117 threadbare field left today is an alarming not-so-fun house of intrigue,
118 betrayal, accusation, threats, litigation, dismissals, obese apes, dead apes,
119 mass resignations, and even, inevitably, sex."

120

121 **Peter the Dolphin:**

122 Sex is also a surprising theme of dolphin research that took place in the
123 1960s at a lab known as Dolphin House, built on the Caribbean island of
124 Saint Thomas. There, John Lilley and his wife conducted investigations into
125 whether dolphins are capable of mimicking human speech, and later into
126 the effects of LSD on dolphins. As part of the language research, a woman
127 called Margaret Howe Lovatt moved into a specially designed dolphinarium
128 with a young male dolphin called Peter, living there more or less 24 hours a
129 day in an office that overhang his water tank. The idea was that with
130 constant human contact, it would perhaps be possible for a dolphin to fully
131 grasp and imitate human language. One problem: the pup's burgeoning
132 sexual needs began to interrupt the language lessons. At first Peter was
133 intermittently relocated to spend time with female dolphins in another
134 tank, but Lovatt found that this interfered too much with her research and
135 the bond she was trying to establish, So she began to satisfy Peter's needs
136 herself (Anonymous, 2014). "It wasn't sexual on my part. Sensuous
137 perhaps," she told Christopher Riley, the producer and director of the BBC
138 documentary *The Girl Who Talked To Dolphins*. "It seemed to me that it

139 made the bond closer,” she continued. “Not because of the sexual activity,
140 but because of the lack of having to keep breaking. And that’s really all it
141 was. I was there to get to know Peter. That was part of Peter.”

142 This isn’t just an odd tale, but a sad one. As Lovatt’s experiment was coming
143 to an end, news came that funding was being withdrawn from the lab. The
144 following year, Dolphin House lab was forced to close. The story goes that
145 after being moved to claustrophobic surroundings in Miami, Peter took his
146 own life.

147 ***Alex the Parrot:***

148 Language skills and a keen intelligence are not only the preserve of apes
149 and dolphins, as shown – to many experts’ surprise at the time – by the
150 remarkable achievements of the African Grey parrot Alex (an acronym for
151 “Avian Learning Experiment”), who was studied for 30 years by the
152 psychologist Irene Pepperberg, until the parrot’s death in 2007 at the age of
153 31.

154 Pepperberg, who bought Alex from a pet store in 1977, was apparently
155 inspired to study Alex because she’d read about the linguistic achievements
156 of Washoe (see above) and other animals. As well as being famous for his
157 one liners, Alex apparently learned over 100 words, could name over 50
158 objects and knew his colours and shapes. He starred in several BBC and
159 PBS documentaries. Like many of his ape peers in the research world, Alex
160 also received notable obituaries upon his death. *The Economist* referred to
161 him as science’s “best known parrot “ (Callaway, 2012) *The New York*
162 *Times* ran with “Brainty parrot dies, emotional till the end”, in reference to
163 the fact that Alex’s last words to Pepperberg the night he died were “You be
164 good, see you tomorrow. I love you.”

165 Compared with his ape peers, it seems that Alex contributed to research
166 that is more likely to stand the test of time. He featured in dozens of quality
167 peer-reviewed papers by Pepperberg. In his recent review of human-
168 animal communication, anthropologist Don Kulick wrote the “... emphasis
169 on cognition and downplaying of language seem to have protected
170 Pepperberg’s studies [of Alex] from the sort of critical onslaught that
171 pulverized ape-language research”.

172

173

174 **Betty the Crow:**

175 Alex is far from being the only smart bird in town. Betty, the New
176 Caledonian crow, though less famous than the parrot, made headlines
177 around the world in 2002 when it was reported that she had shown the
178 ingenuity to make a hook out of a straight piece of wire, to reach food in a
179 plastic tube (another crow had taken off with the hook provided by the
180 researchers). This was considered a big deal because, as one of the
181 researchers told BBC, “Although many animals use tools, purposeful
182 modification of objects to solve new problems, without training or prior
183 experience, is virtually unknown”. In fact, the researchers claimed Betty’s
184 tool-making was more impressive than the tool use seen among chimps
185 (Hunt & Gray, 2004).

186 However, as is usually the way with animal research of this kind, doubts
187 have since been raised about the way Betty’s feat was interpreted. Last
188 year, a different team of researchers studied 18 new Caledonian crows as
189 they made tools with the branches they use in the wild. Crucially, the
190 researchers observed that most of the birds performed the same final
191 modification – to create a hook shape – as seen by Betty in the lab. In other
192 words, Betty’s feat was not entirely spontaneous, but probably part of her
193 species’ natural repertoire. Meanwhile, while we’re talking about corvids,
194 an honourable mention should go to psychologist Nicky Clayton’s scrub-
195 jays, who have been observed demonstrating many behaviours previously
196 considered uniquely human, such as advanced deceit. For instance, a jay
197 will re-hide her food stash if a potential thief was nearby when she first hid
198 it.

199 **Echo the Elephant:**

200 Echo the Elephant had been filmed and observed in Kenya’s Amboseli
201 National Park for several decades, making her the world’s most studied
202 elephant. Echo, who was her tribe’s matriarch for about 36 years, starred in
203 at least four documentaries, including David Attenborough’s Echo: An
204 Unforgettable Elephant. The principal researcher was ethologist Cynthia
205 Moss who, like many of the other researchers mentioned in this list, formed
206 a powerful emotional bond with Echo. Moss learned from Echo and the
207 other elephants of Amboseli about their emotional lives, their transmission
208 of cultural practices and their capacity for future planning and teamwork
209 (Moss, 1992). This is illustrated in the clip above, in which Echo marshals the
210 support of her tribe’s adult females to execute an apparently daring rescue
211 of her daughter, Ebony, who had been kidnapped by a rival tribe. Echo died
212 in 2009 at the age of 64.

213 Harlow's Monkeys

214 The importance of physical touch between mother and baby is today
215 widely recognised, but back in the 1950s this wasn't the case, thanks in
216 part to the influence of Freud and his ideas that an infant bonds with her
217 mother primarily because she satisfies her basic needs of thirst and hunger.
218 The American psychologist Harry Harlow's research in the 1950s with
219 rhesus monkeys changed this. Though ethically controversial, it provided a
220 powerful demonstration of the importance of physical contact in mother-
221 infant attachment (Shallcross, 2012).

222 Inspired by his observation that monkeys separated from their mothers
223 grew highly attached to and possessive of their blankets, Harlow created
224 two forms of surrogate mother: one made of wire that provided milk,
225 another warm and soft that provided comfort but no milk. Given the choice,
226 infant monkeys spent the majority of their time with the soft, warm
227 version. However, without their mothers, even the monkeys who clinged to
228 the cloth-covered surrogates developed serious behavioural problems
229 later, lending graphic evidence to support the British psychologist John
230 Bowlby's claims about the importance of early maternal care.

231

232 **ANIMALS SUFFER WHILE THEY ARE BEING STUDIED:**

233 TORTOROUS PROTOCOLS:

234 Animals are experimented on by using drugs, burning of skin , causing
235 brain damage, implanting electrodes into the brain, maiming, blinding, and
236 other painful and invasive procedures. It can include protocols that cause
237 severe suffering, such as long-term social isolation, electric shocks,
238 withholding of food and water, or repeated breeding and separating of
239 infants from mothers. In toxicity testing, animals used in chronic toxicity
240 and carcinogenicity studies receive the test substance daily, seven days a
241 week, for up to two years with no recovery periods. Many, if not most,

242 animals die before the end of the study. With the exception of chimpanzees,
243 animals who survive their use in research and testing can be killed after the
244 study is completed.

245 Many animal experiments utilize restraining devices, designed to prevent
246 an animal from moving. Some research projects call for immobilization of
247 specific parts of an animal's body—head and neck, legs and pelvis—while
248 other protocols involve immobilization of an animal's entire body. For
249 example, researchers at several major U.S. universities have all conducted
250 “stress experiments” on rats and mice. These experiments included
251 immobilizing mice and rats in tubes, shocking their feet, suspending them
252 by their tails, and forcing them to swim to avoid drowning. Researchers
253 claimed these experiments had relevance to human anxiety and
254 depression. Although restraint is particularly stressful and frustrating for
255 an animal, some experiments are designed to hold animals in partial or
256 total immobilization for months.

257 Anesthetization, intubation, and euthanasia are also common lab
258 procedures which require extensive training and skill. When improperly
259 performed, these procedures cause extreme pain and discomfort. For
260 example, if a researcher uses a paralyzing agent on an animal but does not
261 monitor vital signs to make sure she/he is adequately anesthetized, there is
262 a great chance that the animal is actually experiencing pain but unable to

263 move. Unfortunately, in some cases, the lab personnel often lack the
264 experience and training—and sometimes the sensitivity—needed to avoid
265 unnecessary animal suffering.

266 The areas of xenotransplantation (transplanting cells, tissues, or organs
267 from one species into another species) and genetic engineering also create
268 a great deal of suffering and death for animals. Genetic engineering
269 consumes and destroys untold volumes of animals in attempts to create
270 animals with specific traits. Nonhuman primates, cats, dogs, mice, rats, and
271 others have all been subjected to genetic manipulation. Many of these
272 animals die, while suffering from abnormalities and other diseased
273 conditions.

274 *DAILY EXISTENCE:*

275 Animals in labs suffer not only pain from protocols, but also severe stress
276 from day-to-day laboratory life. They spend their lives in barren cages,
277 unable to make choices or express natural behaviors. Most never
278 experience fresh air or sunshine, only bars and concrete. Those few
279 facilities that provide some outside caging typically rotate the animals,
280 giving them limited and infrequent amounts of time outdoors. Standard lab
281 conditions, such as small, crowded cages, lack of enrichment, loud noises,
282 and bright lights out of sync with natural lighting are all known to create
283 stress in animals who in turn show physical symptoms of the stress,

284 including chronic inflammatory conditions. Studies show that mice are
285 capable of empathy and become even more stressed when witnessing other
286 mice in distress. Other research documents the long-lasting effects on
287 chimpanzees from the stress and trauma of living in a lab and being used in
288 research and testing. In 2009, an undercover lab investigation revealed
289 monkeys frantically spinning around and around in their cages, biting open
290 wounds, mutilating themselves, and ripping out their own hair, all because
291 of the chronic psychological distress they must endure. The term used for
292 this is “stress-induced psychosis”—laboratories are literally driving these
293 animals crazy. After seeing footage of chimpanzees from this same
294 investigation, famed primatologist Dr. Jane Goodall stated, “In no lab I have
295 visited have I seen so many chimpanzees exhibit such intense fear. The
296 screaming I heard when chimpanzees were being forced to move toward
297 the dreaded needle in their squeeze cages was, for me, absolutely
298 horrifying.”

299 For all of the animals trapped in labs, their day-to-day existence is
300 traumatic in itself—even without their forced participation in one dreaded
301 protocol after another. They experience ongoing mental and physical
302 suffering from the endless boredom, confinement, fear, and emotional
303 stress of daily laboratory life. Add to this the fear and agony of a procedure,

304 and only then can we start to understand the desperation and pain in
305 which they live, every day—and for most, for their entire lives.

306 LEGAL PROTECTION: REALITY OR RHETORIC?:

307 The Animal Welfare Act is the only federal law that provides even minimal
308 protection for animals in laboratories. (The federal Public Health Service's
309 (PHS) Policy on the Humane Care and Use of Laboratory Animals covers
310 animals in NIH-funded research, but the PHS does not conduct inspections
311 itself. Instead, it relies on institutions to inspect their own labs.) However,
312 it specifically excludes rats, mice, and birds bred for research, who
313 constitute 90-95 percent of animals in labs. For the approximately 10
314 percent of warm-blooded animals in labs who are covered under the AWA,
315 the law covers husbandry only—meaning specific standards for their
316 housing, feeding, and handling, including veterinary care. It does not
317 prohibit any kind of experiment regardless of the amount of pain or
318 distress it might cause. Instead, it requires oversight committees (called
319 Institutional Animal Care and Use Committees, or IACUCs) to review and
320 approve research protocols. These are composed and overseen by the
321 research facility itself and are widely regarded as “rubber stamp”
322 committees. Their members are primarily animal researchers, and the
323 facility’s CEO selects everyone on the committee. As a result, IACUCs allow
324 the majority of proposed experiments, regardless of the amount of

325 suffering they inflict. If deemed “necessary” to the study, researchers can
326 even withhold pain medication.

327 According to USDA’s latest available figures (2009), 7.8 percent of all AWA
328 covered animals in labs underwent painful procedures without the benefits
329 of pain relief. However, it is assumed that the degree of pain endured is
330 grossly underreported, as no objective criteria is in place to guarantee
331 accurate perception and reporting of pain and suffering. Under current
332 federal law, the administration of pain relief is discretionary, rather than
333 mandatory. When a researcher or attending veterinarian feels that
334 analgesics, anesthesia, or tranquilizers will confound the results of an
335 experiment, pain relief can be legally withheld. This concept of “necessary
336 pain” is basic to the spirit of the AWA, which specifically states that its
337 intent is not to regulate or restrict the planning and performance of
338 experimental designs and protocols. One career researcher, for example,
339 reported chronic diarrhea in monkeys in labs as “normal.” Another claimed
340 the “rocking back and forth” is something “they just do”—so inured are
341 they to the suffering animals in labs endure. In short, while the AWA and
342 the IACUC system purport to ensure “humane” treatment of animals in labs,
343 this system is so limited and so plagued with loopholes that these animals
344 have little or no protection.

345 Research shows that people accept animal research only when they think
346 that animals don't suffer, and that it's scientifically necessary. In fact, they
347 do suffer and it is not necessary. We can attest to this today in a way that
348 we never could in the past. NEAVS' science team has methodically looked at
349 the use of animals in research and published papers in peer-reviewed
350 journals that demonstrate that animal research is not necessary, is not
351 predictive for humans, and is often irrelevant, inaccurate, or even
352 dangerous for human health. The facts make it clear that we can save
353 animals and humans when we replace animal research with alternative
354 methods that deliver effective, predictive, human-relevant results. In short,
355 we can end the harm and suffering of the animals and better benefit human
356 health.

357

358 **MY INSIGHT OF ANIMAL AND HUMAN PSYCHOLOGY:**

359 According to the research I have done, I have learnt a lot of pros and cons of
360 research of animals.

361 **THE PROS:**

362 We can get to know them more and understand their behaviour.
363 Intelligence of animals can be useful for humans too.

364 We can give our love to them as they give us their love to us. We can get to
365 know their comfort and emotions. Animals can become our best friends if
366 we take care of them.

367 **THE CONS:**

368 Firstly, animals are taken far away from their natural habitat and especially
369 family. I was watching Animal Planet and a researcher was researching
370 about hyenas. Compared to the information I had read, his method of
371 researching was the best in my opinion. He studied the hyenas by keeping
372 them in their natural environment, and had engaged himself instead of the
373 hyenas. We humans can adapt easily by using technology, but animals lack
374 in that prospect and take time to adapt, and from what I have learnt, if the
375 animal is not able to adapt itself to its surrounding, it could be fatal for it.

376 Another drawback of animal research is that they have to take in drugs as I
377 mentioned earlier. This could cause a lot of permanent and painful damage
378 to the animal's body.

379

380 We do need to know more about animals, but we have to be careful as they
381 are not toys, we can't just break them and try to fix them back. They are not
382 living things, they are living beings just like us. They have emotions too.

383 **TERMINATION:**

384 Animals have basis moral right to respectful treatment...this inherited
385 value is not respected when animals are reduced to being mere tools in
386 scientific experiment. Animals and people are alike in many ways; they
387 both feel, think, behave, and experience pain. Thus, animals should be
388 treated with the same respect as humans. Yet animals' rights are violated
389 when they are used in research because they are not given a choice.
390 Animals are subjected to tests that are often painful or cause permanent
391 damage or death, and they are never given the option of *not* participating in
392 the experiment. Animals don't willingly sacrifice themselves for the
393 advancement of our race. They can't fight back with their voice and aren't
394 given choice, thus they have to suffer. We put them to their eternal sleep
395 for no other reason than developing the human society.

396 The pain and suffering that experimental animals are subjected to is not
397 worth any possible benefits to humans. Animals feel pain in many of the
398 same ways that humans do; in fact, their reactions to pain are virtually
399 identical. When animals are used for product toxicity testing or laboratory
400 research, they are subjected to painful and frequently deadly experiments.
401 Two of the most commonly used toxicity tests are the Draize test and the
402 LD50 test, both of which are infamous for the intense pain and suffering
403 they inflict upon experimental animals. In the Draize test the substance or
404 product being tested is placed in the eyes of an animal, generally a rabbit is

405 used for this test; then the animal is monitored for damage to the cornea
406 and other tissues in and near the eye. This test is intensely painful for the
407 animal, and blindness, scarring, and death are generally the end results.
408 The Draize test has been criticized for being unreliable and a needless
409 waste of animal life. The LD50 test is used to test the dosage of a substance
410 that is necessary to cause death in fifty percent of the animal subjects
411 within a certain amount of time. To perform this test, the researchers hook
412 the animals up to tubes that pump huge amounts of the test product into
413 their stomachs until they die. This test is extremely painful to the animals
414 because death can take days or even weeks. According to Orlans, the
415 animals suffer from vomiting, diarrhea, paralysis, convulsion, and internal
416 bleeding. Since death is the required endpoint, dying animals are not put
417 out of their misery by euthanasia. The LD50 test is "scientifically
418 unjustifiable". The precision it purports to provide is an illusion because of
419 uncontrollable biological variables". The use of the Draize test and the
420 LD50 test to examine product toxicity has decreased over the past few
421 years, but these tests have not been eliminated completely. Thus, because
422 animals are subjected to agonizing pain, suffering and death when they are
423 used in laboratory and cosmetics testing, animal research must be stopped
424 to prevent more waste of animal life.

425
426 The testing of products on animals is completely unnecessary because
427 viable alternatives are available. Many cosmetic companies, for example,
428 have sought better ways to test their products without the use of animal
429 subjects. In *Against Animal Testing*, a pamphlet published by The Body
430 Shop, a well-known cosmetics and bath-product company based in London,
431 the development of products that "use natural ingredients, like bananas
432 and Basil nut oil, as well as others with a long history of safe human usage"
433 is advocated instead of testing on animals. Furthermore, the Draize test has
434 become practically obsolete because of the development of a synthetic
435 cellular tissue that closely resembles human skin. Researchers can test the
436 potential damage that a product can do to the skin by using this artificial
437 "skin" instead of testing on animals. Another alternative to this test is a
438 product called Eyetex. This synthetic material turns opaque when a
439 product damages it, closely resembling the way that a real eye reacts to
440 harmful substances. Computers have also been used to simulate and
441 estimate the potential damage that a product or chemical can cause, and
442 human tissues and cells have been used to examine the effects of harmful
443 substances. In another method, *in vitro* testing, cellular tests are done
444 inside a test tube. All of these tests have been proven to be useful and
445 reliable alternatives to testing products on live animals. Therefore, because
446 effective means of product toxicity testing are available without the use of
447 live animal specimens, testing potentially deadly substances on animals is
448 unnecessary.

449 However, many people believe that animal testing is justified because the
450 animals are sacrificed to make products safer for human use and
451 consumption. The problem with this reasoning is that the animals' safety,
452 well-being, and quality of life is generally not a consideration. Experimental
453 animals are virtually tortured to death, and all of these tests are done in the
454 interest of human welfare, without any thought to how the animals are
455 treated. Others respond that animals themselves benefit from animal
456 research. Yet in an article entitled "Is Your Experiment Really Necessary?"
457 Sheila Silcock, a research consultant for the RSPCA, states: "Animals may
458 themselves be the beneficiaries of animal experiments. But the value we
459 place on the quality of their lives is determined by their perceived value to
460 humans". Making human's lives better should not be justification for
461 torturing and exploiting animals. The value that humans place on their own
lives should be extended to the lives of animals as well.

462 Still other people think that animal testing is acceptable because animals
463 are lower species than humans and therefore have no rights. These
464 individuals feel that animals have no rights because they lack the capacity
465 to understand or to knowingly exercise these rights. However, animal
466 experimentation in medical research and cosmetics testing cannot be
467 justified on the basis that animals are lower on the evolutionary chart than
468 humans since animals resemble humans in so many ways. Many animals,
469 especially the higher mammalian species, possess internal systems and
470 organs that are identical to the structures and functions of human internal
471 organs. Also, animals have feelings, thoughts, goals, needs, and desires that
472 are similar to human functions and capacities, and these similarities should
473 be respected, not exploited, because of the selfishness of humans. Tom
474 Regan asserts that "animals are subjects of a life just as human beings are,
475 and a subject of a life has inherent value. They are . . . ends in themselves".
476 Therefore, animals' lives should be respected because they have an
477 inherent right to be treated with dignity. The harm that is committed
478 against animals should not be minimized because they are not considered
479 to be "human."

480

Conclusion

481

482 In conclusion, animal testing should be eliminated because it violates
483 animals' rights, it causes pain and suffering to the experimental animals,
484 and other means of testing product toxicity are available. Humans cannot
485 justify making life better for themselves by randomly torturing and
486 executing thousands of animals per year to perform laboratory
487 experiments or to test products. Animals should be treated with respect
488 and dignity, and this right to decent treatment is not upheld when animals
489 are exploited for selfish human gain. After all, humans are animals too.

490 Imagine how innocent prisoners feel when they are captivated for
491 something haven't done. Animals are suffering the same way as those
492 prisoners are.

493 Comfort, love, freedom, their home and nature are the basic things animals
494 need to survive. But we take them away for our benefit. Give them all they
495 need and they would live a happy life. They would even cooperate and
496 show you their talents. Think of them as introverts, they are just not ready
497 for the sudden change. Give them time and they would be as close to you as
498 possible.

499

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