



Fact or Fiction Game: Animals in Research

This interactive game is a great way to share facts about animal research in an entertaining way! You can do this with any number of players in a variety of settings, including in the classroom or at a booth. We have included example statements that are either fact or fiction, but feel free to create your own.

Materials needed: The materials needed are available for download at www.BRADglobal.org.

- “Fact or Fiction” game cards – “FACT” on one side and “FICTION” on the other.
- “Fact or Fiction” statement and answer sheet
- Prizes to give away to winners! Use BRAD freebies or order additional BRAD swag from www.BRADglobal.org!

Instructions:

1. Give each participant a game card.
2. Explain that you will read a statement about animal research, and they must decide if they think it is fact or fiction and hold up their card to indicate their choice.
3. Read one of the statements on the sheet without revealing whether the statement is fact or fiction. After all participants have guessed the validity of the statement, reveal whether the statement is fact or fiction.
4. A point is scored for each correct answer. A prize can be given to the top scorer.

Prompts:

1. **Fact or fiction?** Animals have only been involved in research benefitting humans.
Fiction – Animal research benefits both humans and animals! Without animals in research, our understanding of animal diseases and treatments would be very limited, and we would not be able to treat our own pets.
2. **Fact or fiction?** People and animals share about 50 of the same diseases.
Fact – From asthma and diabetes to arthritis and cancer, animals and humans suffer from many of the same diseases.
3. **Fact or fiction?** Animals were not helpful in the creation of the first vaccine against smallpox in 1796 and have only been involved in research for about a century.
Fiction – Cows were involved in the creation of the smallpox vaccine in 1796. Animals have been the key to cures for over 200 years!
4. **Fact or fiction?** The word *vaccine* comes from the Latin word for cow.
Fact – Cow in Latin is “vacca.”
5. **Fact or fiction?** Physicians and veterinarians share 20 of the same medications to treat humans and animals.
Fiction – They share nearly 100 of the same medications, such as benadryl, insulin, and chemotherapy drugs.

6. **Fact or fiction?** The FDA has research and development efforts underway to reduce the need for animals in research and find a suitable replacement.
Fact – The FDA states on their website “There are still many areas where animal testing is necessary and non-animal testing is not yet a scientifically valid and available option. However, FDA has supported efforts to reduce animal testing. In addition, FDA has research and development efforts underway to reduce the need for animal testing and to work toward replacement of animal testing.”
7. **Fact or fiction?** According to the Nuremberg Code, it is okay for humans to be involved in research before animals are involved in research.
Fiction – Animals must be involved in research before humans can be.
8. **Fact or fiction?** Pigs have been involved in the development of treatments for asthma, diabetes, and ADHD.
Fact – Pig organs are anatomically and functionally 80-90% similar to the respective human organs, making pigs a very useful model of how a human would react to the same treatment.
9. **Fact or fiction?** Essentially every drug, treatment, medical device, diagnostic tool, and cure we have today was made possible by animal research.
Fact – With the help of animal research, medical advancements such as pacemakers and artificial joints have been made possible.
10. **Fact or fiction?** Studies with rabbits, zebrafish, and chinchillas led to the development of the polio vaccine.
Fiction – Studies with monkeys, dogs, and mice led to the development of the polio vaccine, completely eliminating polio in the United States.
11. **Fact or fiction?** There is only one committee created by U.S. law that oversees all animal research in all research institutions across the United States.
Fiction – Federal laws in the U.S. and the Animal Welfare Act and Public Health Service Act mandate that each institution establish an animal care and use committee that includes an outside member of the public as well as a veterinarian.
12. **Fact or fiction?** Rats and mice bred specifically for research are the most common research animals.
Fact – Mice and rats make up 95% of all animals in research.
13. **Fact or fiction?** Stem cell research does not require animal models.
Fiction – Stem cell treatments must first demonstrate safety and efficacy in animal models before they can be introduced in humans.
14. **Fact or fiction?** Humans share 56.2% of their genes with mice.
Fiction – Humans actually share 95% of their genes with mice!
15. **Fact or fiction?** Approximately 4.5% of healthcare costs in the U.S. is reserved for scientific and medical research.
Fact – More than \$3.2 trillion is dedicated to scientific and medical research!



FACT

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