

Astro-Biology and Space Exploration Animals

Space Biology · Answer Key · 12 Questions

1. Which animal became the first living creature to orbit the Earth in 1957?

- A) Laika the dog**
- B) Ham the chimpanzee
- C) Able the rhesus monkey
- D) Baker the squirrel monkey

2. What was the primary purpose of sending fruit flies (*Drosophila melanogaster*) into space in 1947?

- A) To test gravity effects
- B) To study radiation exposure**
- C) To observe flight patterns
- D) To monitor food digestion

3. Which primate was the first to survive a suborbital flight and return safely to Earth?

- A) Enos
- B) Ham**
- C) Gordo
- D) Albert II

4. In 1973, which species was the first to successfully complete a reproductive cycle in the microgravity of the Skylab space station?

- A) Common Spiders
- B) House Mice
- C) Fruit Flies**
- D) Japanese Quail

5. What specific behavior did the spider named 'Anita' exhibit when observed on the Skylab mission?

- A) Spinning a web**
- B) Hunting insects
- C) Sleeping in a ball
- D) Molting its skin

6. Which type of animal was sent into space on the Bion-M1 mission in 2013 to study the effects of microgravity on long-term biology?

A) Gerbils

B) Hamsters

C) Guinea pigs

D) Rabbits

7. What unique biological ability allows the Tardigrade, often studied in space missions, to survive the vacuum of space?

A) Photosynthesis

B) Cryptobiosis

C) Echolocation

D) Bioluminescence

8. The Russian space program sent two dogs, Belka and Strelka, into orbit in 1960. What happened to them?

A) They stayed in orbit

B) They returned to Earth safely

C) They landed on the Moon

D) They were lost in transit

9. In 1961, the primate Enos became the first chimpanzee to do what?

A) Walk on the moon

B) Orbit the Earth

C) Eat a space meal

D) Navigate a maze

10. Which aquatic creature was sent to space in 1994 to study the effects of gravity on inner ear development and orientation?

A) Goldfish

B) Axolotl

C) Medaka fish

D) Sea urchins

11. Why were nematodes (roundworms) sent to the International Space Station for extensive study?

A) To test their muscular atrophy

B) To see if they could glow

C) To study their memory

D) To test their vocalization

12. Which mission carried the first kittens into space in 1970 to observe their vestibular system adaptation?

- A) Vostok 6
- B) Apollo 11
- C) Surveyor 1
- D) Verni i Zhulinka (Cosmos 368)**