SCIENCE & SPACE

trivia for teens — 40 questions

Questions	Your answers
1 In 2022, NASA crashed its DART spacecraft into which small asteroid on purpose?	
2 In 2024, SpaceX caught a falling booster with giant tower arms. What are they nicknamed?	
3 Which company built Starship, the biggest rocket ever flown? ⓘ	
4 In 2024, Japan launched LignoSat, the first satellite built mainly from what?	
5 In 2026, which NASA rover broke the record for total distance driven on another world?	
6 Which country's Hayabusa2 mission brought back dust from the asteroid Ryugu in 2020?	
7 Which ESA probe, launched in 2023, will be the first to orbit the moon Ganymede?	
8 Which moon of Jupiter is the biggest moon in the solar system?	
9 Which ESA telescope, launched in 2023, is making a 3D map of the dark universe?	
10 Which space telescope, launched on 25 December 2021, sees the universe in infrared light?	
11 In November 2026, which spacecraft became the first to reach one light-day from Earth?	
12 In 2023, CERN dropped antimatter atoms for the first time. Did they fall up or down?	
13 Which tiny particle was discovered at CERN in 2012?	
14 What is the name of the world's largest particle accelerator, near Geneva?	
15 What is CERN's planned 91 km successor to the Large Hadron Collider called?	
16 Which parts of your body hold more than half of all your bones?	
17 Which tiny knee bone was found in 2019 to be three times more common than 100 years ago?	
18 Which tiny muscles pull your hairs upright to give you goosebumps?	
19 Your "funny bone" is not a bone at all. What is it?	
20 What do we call the time it takes for half of a radioactive substance to decay?	

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trivia for teens · part 2 — 40 questions

Questions	Your answers
21 How many chemical elements are on the periodic table today? ⓘ	
22 Which is the only planet known to have plate tectonics?	
23 Which colour of LED won its inventors the 2014 Nobel Prize in Physics?	
24 What is the third known object from another star system, spotted in 2025, called?	
25 In May 2024, a huge solar storm let people far from the poles see what in the sky?	
26 From May 2027, clocks will stop adding which tiny extra bit of time? ⓘ	
27 Which new observatory in Chile shared its first images in 2025?	
28 Which NASA telescope, launched in 2025, maps the whole sky in 102 infrared colours?	
29 Japan's SLIM lander reached the Moon in 2024 but landed in an odd way. How?	
30 In 2023, NASA's OSIRIS-REx mission brought back a sample from which asteroid?	
31 What did scientists name the one-atom-thick gold sheets they made in 2024?	
32 Lasers on which element's nucleus brought a super-precise "nuclear clock" closer in 2024?	
33 In 2024, Berkeley Lab made element 116 with a beam of which metal?	
34 Since 2019, the kilogram has been defined using which constant of nature?	
35 Which chemical element is named after Dmitri Mendeleev?	
36 What is the chemical symbol for tungsten?	
37 Which planet has a giant six-sided storm at its north pole?	
38 What is the edge around a black hole, beyond which nothing can escape, called?	
39 In 2022, astronomers shared the first image of our galaxy's central black hole. Its name?	
40 Which physicist's rule that a black hole's area can never shrink was confirmed in 2025?	

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trivia for teens — 40 questions + answers

Questions

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20. What do we call the time it takes for half of a radioactive substance to decay?

Answers

1. Dimorphos
2. Chopsticks
3. SpaceX
4. Wood
5. Perseverance
6. Japan
7. Juice
8. Ganymede
9. Euclid
10. The James Webb Space Telescope
11. Voyager 1
12. Down
13. The Higgs boson
14. The Large Hadron Collider
15. The Future Circular Collider
16. Your hands and feet
17. The fabella
18. Arrector pili
19. A nerve (the ulnar nerve)
20. Its half-life

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trivia for teens · part 2

40 questions + answers

Questions	Answers
21 How many chemical elements are on the periodic table today? ⓘ	118
22 Which is the only planet known to have plate tectonics?	Earth
23 Which colour of LED won its inventors the 2014 Nobel Prize in Physics?	Blue
24 What is the third known object from another star system, spotted in 2025, called?	3I/ATLAS
25 In May 2024, a huge solar storm let people far from the poles see what in the sky?	The aurora
26 From May 2027, clocks will stop adding which tiny extra bit of time? ⓘ	The leap second
27 Which new observatory in Chile shared its first images in 2025?	The Vera C. Rubin Observatory
28 Which NASA telescope, launched in 2025, maps the whole sky in 102 infrared colours?	SPHEREx
29 Japan's SLIM lander reached the Moon in 2024 but landed in an odd way. How?	Upside down, on its nose
30 In 2023, NASA's OSIRIS-REx mission brought back a sample from which asteroid?	Bennu
31 What did scientists name the one-atom-thick gold sheets they made in 2024?	Goldene
32 Lasers on which element's nucleus brought a super-precise "nuclear clock" closer in 2024?	Thorium
33 In 2024, Berkeley Lab made element 116 with a beam of which metal?	Titanium
34 Since 2019, the kilogram has been defined using which constant of nature?	The Planck constant
35 Which chemical element is named after Dmitri Mendeleev?	Mendelevium
36 What is the chemical symbol for tungsten?	W
37 Which planet has a giant six-sided storm at its north pole?	Saturn
38 What is the edge around a black hole, beyond which nothing can escape, called?	The event horizon
39 In 2022, astronomers shared the first image of our galaxy's central black hole. Its name?	Sagittarius A*
40 Which physicist's rule that a black hole's area can never shrink was confirmed in 2025?	Stephen Hawking

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