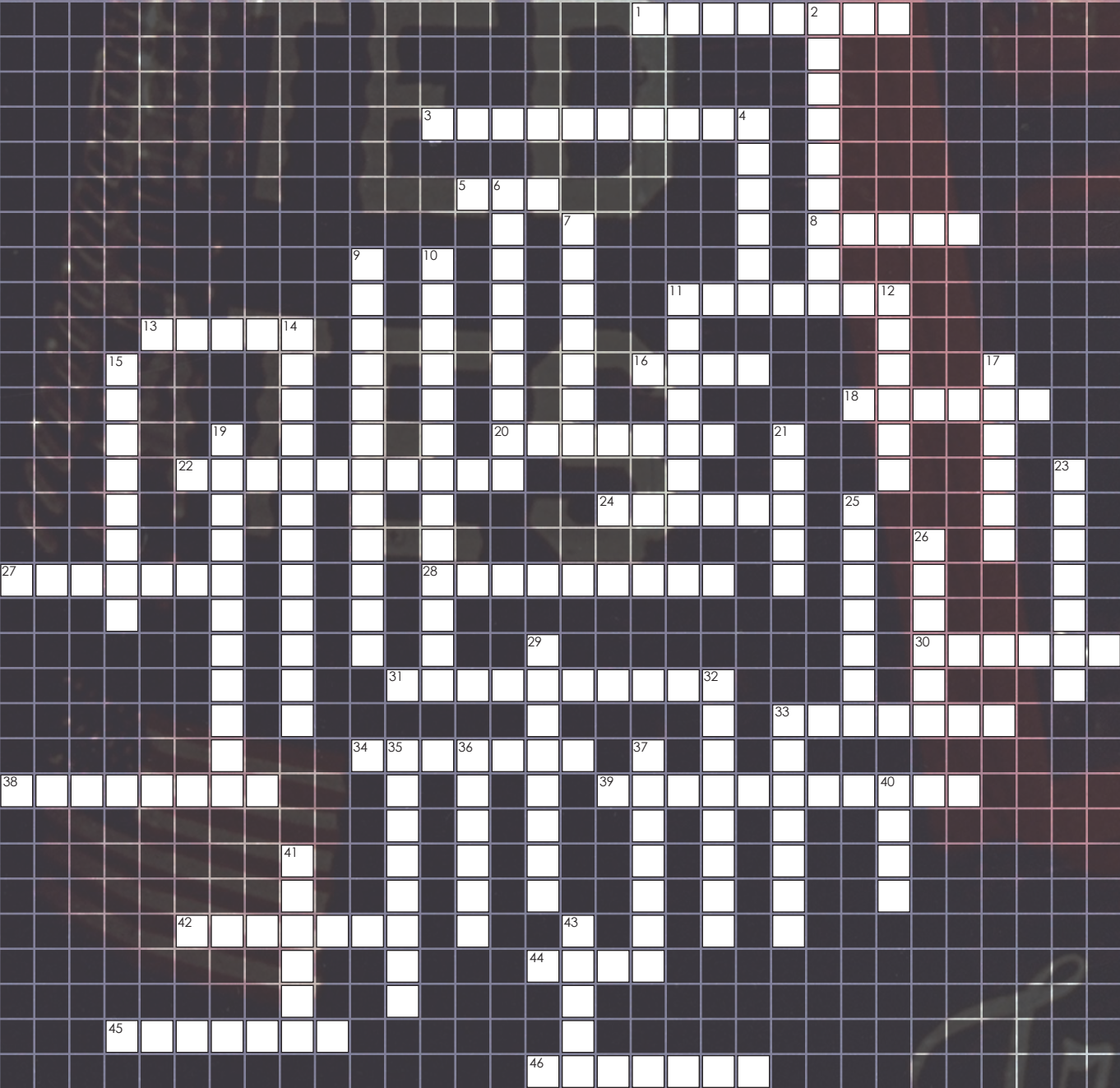


First in Space **CROSSWORD**

Authored by Chase Clark for Rocket**STEM** – a nonprofit inspiring the next generation of explorers.

For millennia, humanity was grounded on Earth, only able to study the vastness of the Universe with our eyes. However in the 20th Century, we made our first forays into the depths of space, finally reaching above the thin atmosphere at the Garmin line. We progressed to placing satellites and humans into orbit above the planet, then to making bootprints on the Moon from 1969 through 1972 with the Apollo Missions. Since those historic ventures, the nations of Earth have sent probes to study all the planets of the solar system, many of their moons, the Sun as well as asteroids, comets, and dwarf planets. We have even managed to send twin spacecraft beyond the heliopause and into interstellar space.



ACROSS:

1. Performed first ever spacewalk by a civilian astronaut during Polaris Dawn mission
3. Made the first untethered spacewalk during a Space Shuttle mission in 1984
5. Abbreviation of first mission to fly by a comet
8. First American to orbit the Earth
11. Rocket that launched first humans to the Moon
13. First weather satellite
16. First spacecraft to land on the Moon
18. First person to perform a spacewalk
20. Country that launched the first rocket into space
22. First woman launched into space
24. First spacecraft to successfully land on Mars
27. First spacecraft to orbit Jupiter
28. First human to walk on the Moon
30. America's first two-person orbital program. Also a Zodiac sign
31. First living things launched above the Garmin line in 1947
33. Program with first spacecraft to reach Mercury and Mars (separate missions)
34. America's first crewed space program
38. First spacecraft to collect and return asteroid samples to Earth
39. India's first spacecraft to orbit the Moon
42. First spacecraft to fly by Jupiter
44. First spacecraft to orbit a dwarf planet (Ceres)
45. First journalist, first civilian, and first Japanese citizen to go to space
46. First Canadian to fly into space

DOWN:

2. First spacecraft to orbit Mercury
4. First space station launched in 1971
6. First private rocket to reach space in 1982
7. First spacecraft to cross into interstellar space
9. First spacecraft designed to be reusable
10. First spacecraft to orbit an asteroid
11. First satellite launched into space
12. First spacecraft to land on Venus
14. First private crewed spacecraft to fly above the Garmin line
15. First human launched into space
17. Russia's first crewed spacecraft
19. First spacecraft to do a flyby of Pluto
21. First crewed lunar lander to touchdown on the Moon's surface
23. First spacecraft to orbit Saturn
25. First commercial satellite to be launched into orbit in 1962
26. First commercially built and operated reusable orbital spacecraft
29. Developmental spacecraft that may one day take the first humans to Mars
32. China's first human rated spacecraft
33. First ESA astronaut to fly into space
35. America's first satellite to reach orbit
36. First spacecraft to land on the far side of the Moon
37. First British citizen to launch into space
40. Abbreviation of first crewed international space mission in 1975
41. First satellite to achieve geostationary orbit
43. First animal (dog) launched into orbit in 1957