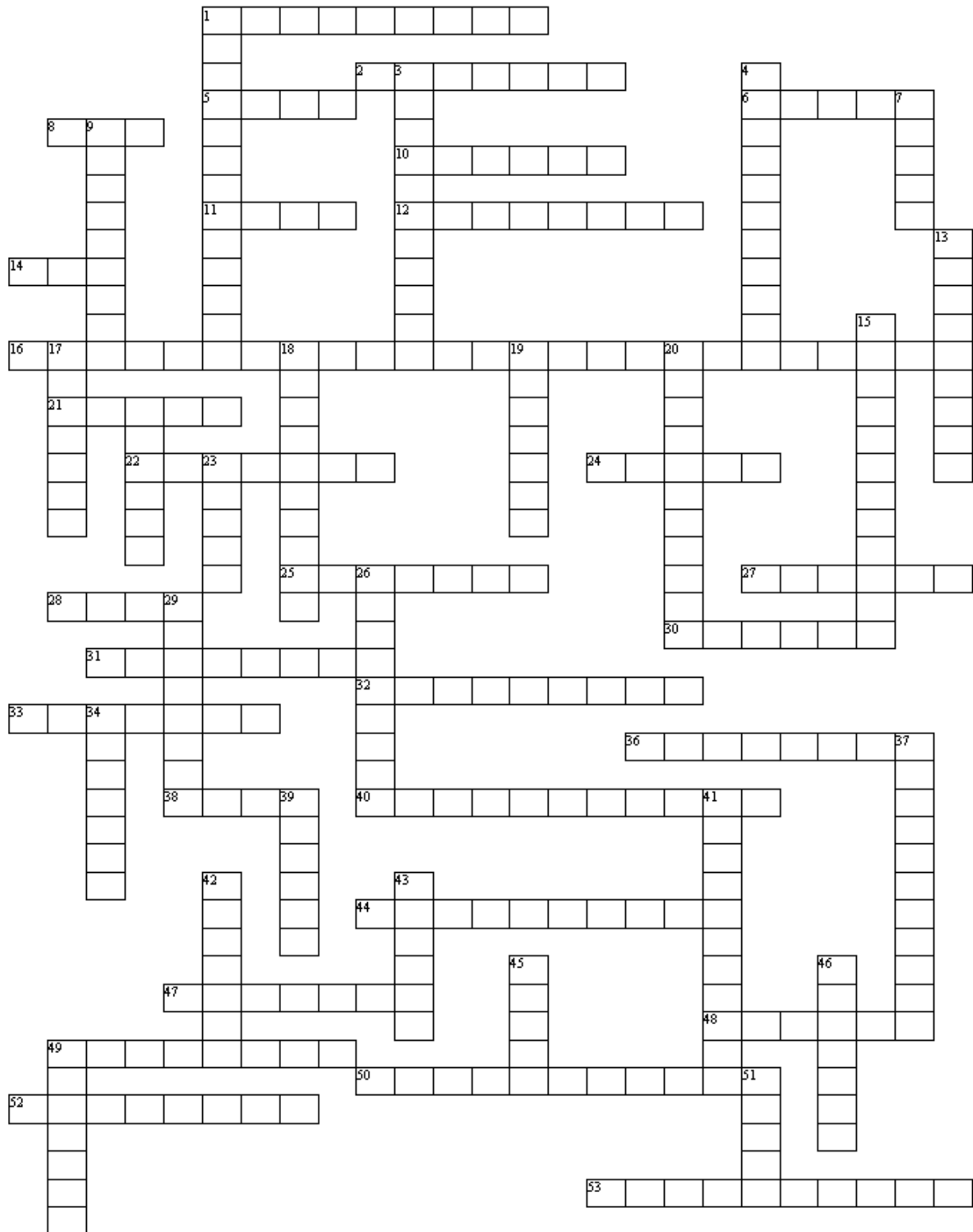


## Space Exploration Crossword Puzzle



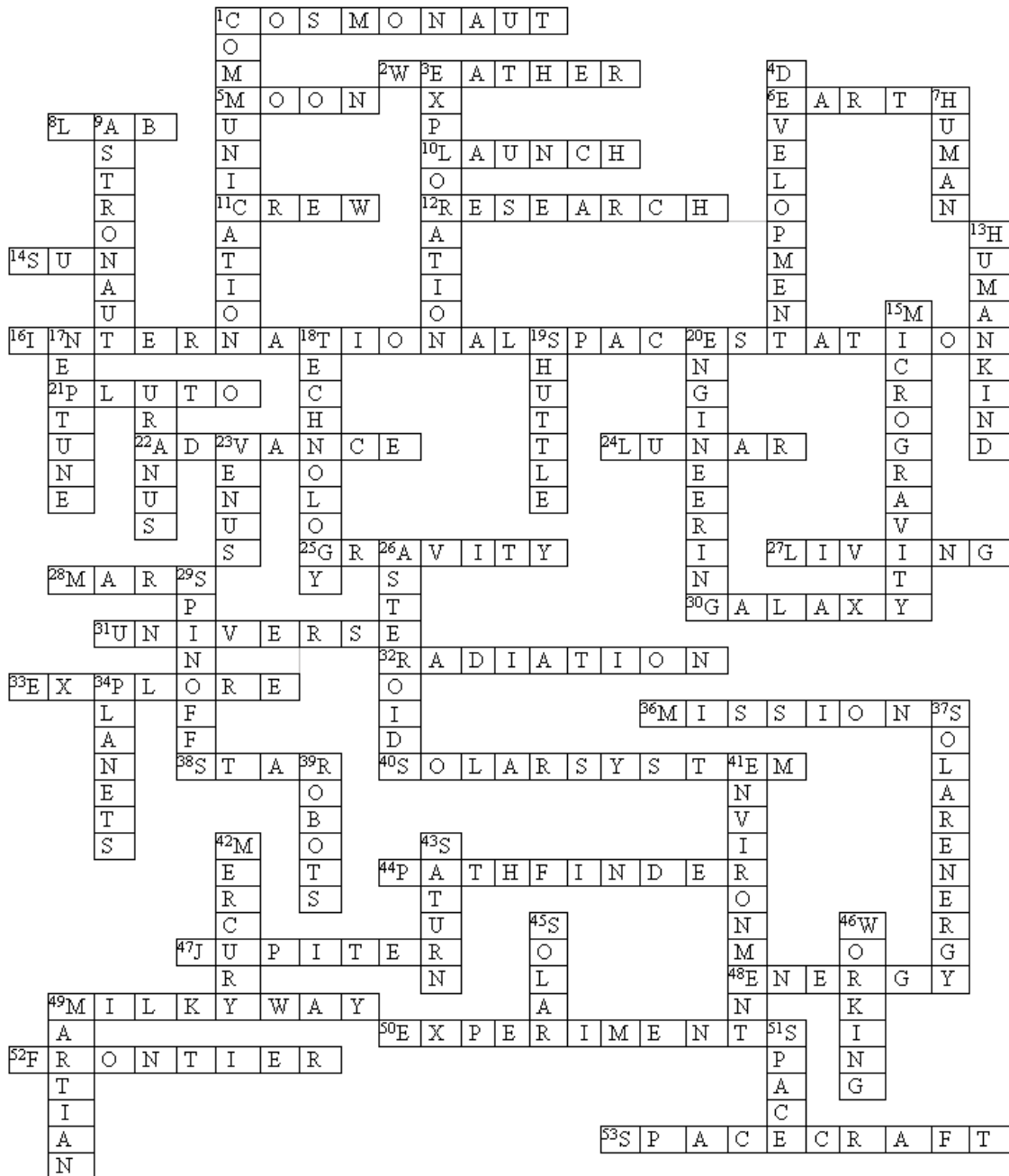
## Across

1. A Russian astronaut is called a \_\_\_\_\_.
2. Certain kinds of satellites help track the \_\_\_\_\_ on Earth.
5. The \_\_\_\_\_ orbits the Earth once every 28 days.
6. \_\_\_\_\_ is our home planet.
8. A \_\_\_\_\_ is a place where scientists can work and do experiments.
10. The Space Shuttle lifts off from the \_\_\_\_\_ pad.
11. Each Shuttle mission has a specially trained \_\_\_\_\_ of astronauts.
12. To \_\_\_\_\_ is to study and observe something to learn more about it.
14. The \_\_\_\_\_ is the center of our solar system.
16. The \_\_\_\_\_ (ISS) orbits the Earth 16 times a day.
21. \_\_\_\_\_ is the planet that is farthest from the Sun.
22. NASA helps \_\_\_\_\_ human technology.
24. \_\_\_\_\_ is used to describe anything of or relating to the Moon.
25. \_\_\_\_\_ is the natural force that draws objects toward the center of the Earth.
27. Astronauts on the ISS like \_\_\_\_\_ in space.
28. \_\_\_\_\_ is our closest neighboring planet.
30. Stars and solar systems grouped together form a \_\_\_\_\_.
31. The \_\_\_\_\_ is everything that exists anywhere on Earth or in space.
32. The Sun produces \_\_\_\_\_, which is energy radiated in the form of waves or particles.
33. To \_\_\_\_\_ is to search or travel to discover new things.
36. Each of the four Space Shuttles currently in operation is designed to fly at least 100 \_\_\_\_\_.
38. A \_\_\_\_\_ is a huge ball of burning gas, held together by its own gravity.
40. Our \_\_\_\_\_ contains the Sun and all the planets that orbit the Sun.
44. The Mars \_\_\_\_\_ Lander landed the Sojourner Rover on the surface of Mars.
47. \_\_\_\_\_ is the largest of the planets.
48. \_\_\_\_\_ is the power of certain forces of nature to do work.
49. Our galaxy is called the \_\_\_\_\_.
50. Scientists send \_\_\_\_\_ on the ISS to test the effects of microgravity.
52. A \_\_\_\_\_ is a region where people live near an uncharted or unexplored area where there are no people.
53. \_\_\_\_\_ refers to any type of vehicle that travels in space.

## Down

1. \_\_\_\_\_ satellites help people stay in touch and relay important information around the globe.
3. NASA's Human \_\_\_\_\_ and Development of Space (HEDS) Enterprise helps bring space technology down to Earth.
4. HEDS stands for the Human Exploration and \_\_\_\_\_ of Space.
7. \_\_\_\_\_ means belonging to the group that includes all people.
9. An \_\_\_\_\_ is someone who travels in space.
13. \_\_\_\_\_ refers to all people, including men, women, and children.
15. \_\_\_\_\_ is near weightlessness, almost zero gravity.
17. \_\_\_\_\_ is the eighth planet from the Sun.
18. \_\_\_\_\_ is science as it is put to use in the work of everyday life.
19. The Space \_\_\_\_\_ transports astronauts and cargo into space.
20. \_\_\_\_\_ is the application of science and mathematics to design, structures, and processes.
23. \_\_\_\_\_ is the second planet from the Sun.
26. \_\_\_\_\_, known as space rocks, are found especially between the orbit of Mars and Jupiter.
29. \_\_\_\_\_, such as Velcro and Teflon, are pieces of NASA technology that are used here on Earth.
37. There are nine \_\_\_\_\_ in our solar system.
35. \_\_\_\_\_ helps power the ISS.
39. \_\_\_\_\_ are designed to do things that are too dangerous for astronauts to do.
41. NASA is trying to find ways to help clean up Earth's \_\_\_\_\_.
42. \_\_\_\_\_ is the planet closest to the Sun.
43. \_\_\_\_\_, the sixth planet from the Sun, is known for its rings.
45. \_\_\_\_\_ refers to anything of or related to the Sun.
46. NASA wants to have more astronauts living and \_\_\_\_\_ in space.
49. \_\_\_\_\_ refers to anything of or related to Mars.
51. \_\_\_\_\_ is everything outside of the Earth, where the Sun, stars and other planets are.

# Answer Sheet



## Across

1. A Russian astronaut is called a cosmonaut.
2. Certain kinds of satellites help track the weather on Earth.
5. The Moon orbits the Earth once every 28 days.
6. Earth is our home planet.
8. A lab is a place where scientists can work and do experiments.
10. The Space Shuttle lifts off from the launch pad.
11. Each Shuttle mission has a specially trained crew of astronauts.
12. To research is to study and observe something to learn more about it.
14. The Sun is the center of our solar system.
16. The International Space Station (ISS) orbits the Earth 16 times a day.
21. Pluto is the planet that is farthest from the Sun.
22. NASA helps advance human technology.
24. Lunar is used to describe anything of or relating to the Moon.
25. Gravity is the natural force that draws objects toward the center of the Earth.
27. Astronauts on the ISS like living in space.
28. Mars is our closest neighboring planet.
30. Stars and solar systems grouped together form a galaxy.
31. The universe is everything that exists anywhere on Earth or in space.
32. The Sun produces radiation, which is energy radiated in the form of waves or particles.
33. To explore is to search or travel to discover new things.
36. Each of the four Space Shuttles currently in operation is designed to fly at least 100 missions.
38. A star is a huge ball of burning gas, held together by its own gravity.
40. Our solar system contains the Sun and all the planets that orbit the Sun.
44. The Mars Pathfinder Lander landed the Sojourner Rover on the surface of Mars.
47. Jupiter is the largest of the planets.
48. Energy is the power of certain forces of nature to do work.
49. Our galaxy is called the Milky Way.
50. Scientists send experiments on the ISS to test the effects of microgravity.
52. A frontier is a region where people live near an uncharted or unexplored area where there are no people.
53. Spacecraft refers to any type of vehicle that travels in space.

## Down

1. Communication satellites help people stay in touch and relay important information around the globe.
3. NASA's Human Exploration and Development of Space (HEDS) Enterprise helps bring space technology down to Earth.
4. HEDS stands for the Human Exploration and Development of Space.
7. Human means belonging to the group that includes all people.
9. An astronaut is someone who travels in space.
13. Humankind refers to all people, including men, women, and children.
15. Microgravity is near weightlessness, almost zero gravity.
17. Neptune is the eighth planet from the Sun.
18. Technology is science as it is put to use in the work of everyday life.
19. The Space Shuttle transports astronauts and cargo into space.
20. Engineering is the application of science and mathematics to design, structures, and processes.
23. Venus is the second planet from the Sun.
26. Asteroids, known as space rocks, are found especially between the orbit of Mars and Jupiter.
29. Spin-offs, such as Velcro and Teflon, are pieces of NASA technology that are used here on Earth.
37. There are nine planets in our solar system.
35. Solar energy helps power the ISS.
39. Robots are designed to do things that are too dangerous for astronauts to do.
41. NASA is trying to find ways to help clean up Earth's environment.
42. Mercury is the planet closest to the Sun.
43. Saturn, the sixth planet from the Sun, is known for its rings.
45. Solar refers to anything of or related to the Sun.
46. NASA wants to have more astronauts living and working in space.
49. Martian refers to anything of or related to Mars.
51. Space is everything outside of the Earth, where the Sun, stars and other planets are.