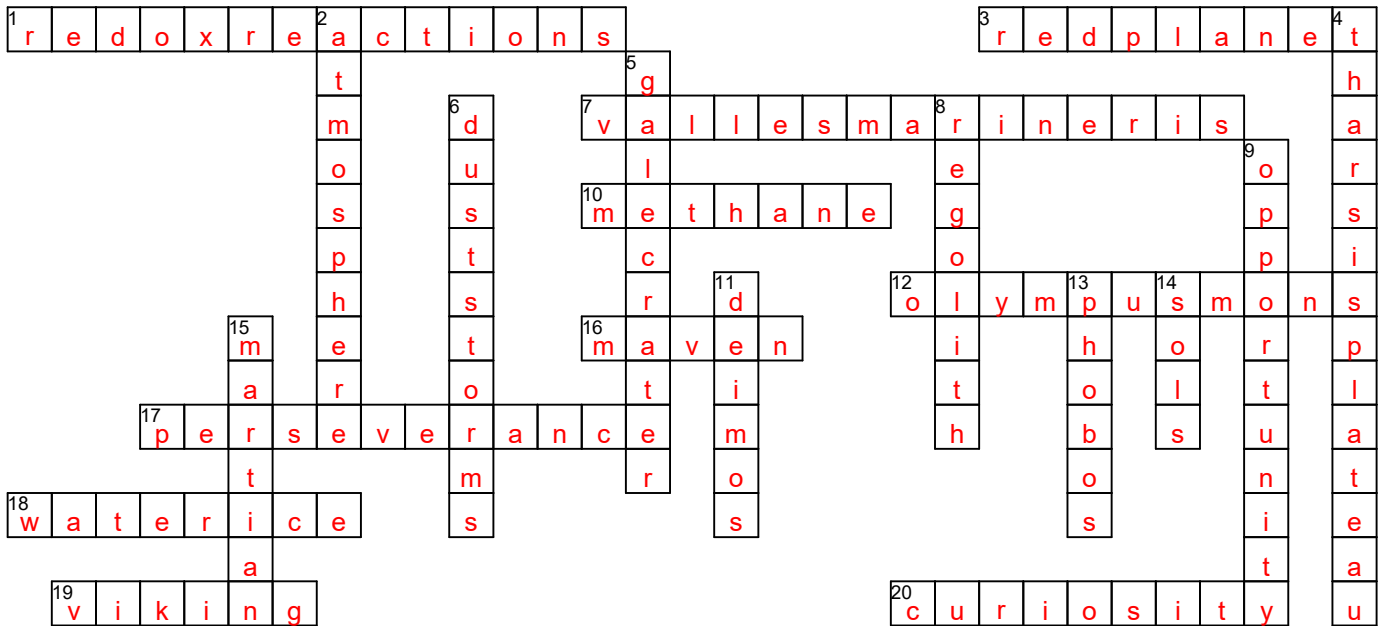


Mars Crossword Puzzle

1. Using the Across and Down clues, write the correct answer in the numbered grid below.



ACROSS

1. Chemical processes that contribute to the reddish color of Mars.
3. Mars is often called this due to its reddish appearance.
7. A vast canyon system on Mars, much larger than the Grand Canyon on Earth.
10. A gas occasionally detected in Mars' atmosphere, raising questions about potential microbial life.
12. The largest volcano in the solar system, found on Mars.
16. NASA mission to study the Martian atmosphere and its history.
17. Another NASA rover on Mars, designed to study its geology and climate.
18. Found on Mars' polar ice caps and below its surface.
19. NASA's first successful Mars lander, which operated in the 1970s.
20. NASA rover that explored Mars, searching for signs of past life.

DOWN

2. Mars has a thin one, primarily composed of carbon dioxide.
4. A large volcanic plateau on Mars that hosts many of its volcanoes.
5. The location where the Curiosity rover landed on Mars.
6. Common weather phenomena on Mars, sometimes covering the entire planet.
8. The layer of loose, fragmented material covering Mars' surface.
9. A Mars rover that operated for over 14 years before losing contact in a dust storm.
11. Mars' other small moon, named after the Greek god of dread.
13. One of Mars' two small moons, named after the Greek god of fear.
14. Martian days, each sol is approximately 24.6 hours long.
15. An adjective used to describe things related to Mars.

redox reactions
methane
MAVEN
Martian
atmosphere

Viking
Curiosity
Opportunity
Sols
Perseverance

Phobos
regolith
Gale Crater
dust storms
Water ice

Deimos
Olympus Mons
Red Planet
Tharsis Plateau
Valles Marineris