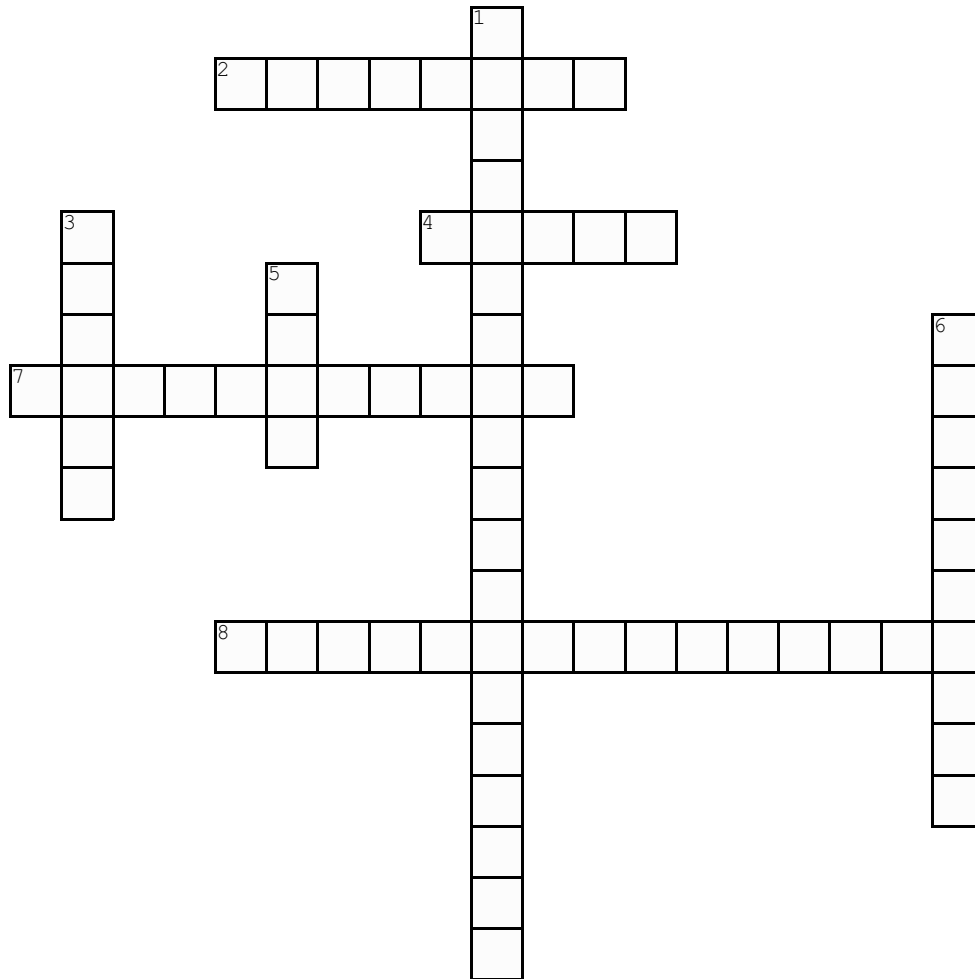


Name: _____

New Gravitational Wave Detection From Colliding Black Holes

Read the New York Times article, "New Gravitational Wave Detection From Colliding Black Holes" and complete the crossword below



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Across

- 2. The gravitational wave detectors, which deepens the pool of data we can draw from and expand our understanding of the _____.
- 4. New gravitational wave detector located in Cascina, Italy.
- 7. The Virgo antennae increases the network's ability to _____ the source of gravitational waves.
- 8. One black hole with about 31 times the mass of the Sun and the other with 25 solar masses, combined to make a hole of _____.

Down

- 1. This was recorded from the collision of a pair of black holes 1.8 billion years away from here. Also known as reverberations.
- 3. The remaining 3 solar masses radiated more _____ than all the stars in the universe.
- 5. Pair of L-shaped antennas which monitor the squeezing & stretching of space between a pair of delicately positioned mirrors.
- 6. Astronomers have detected ripples from the _____ mergers if black holes.