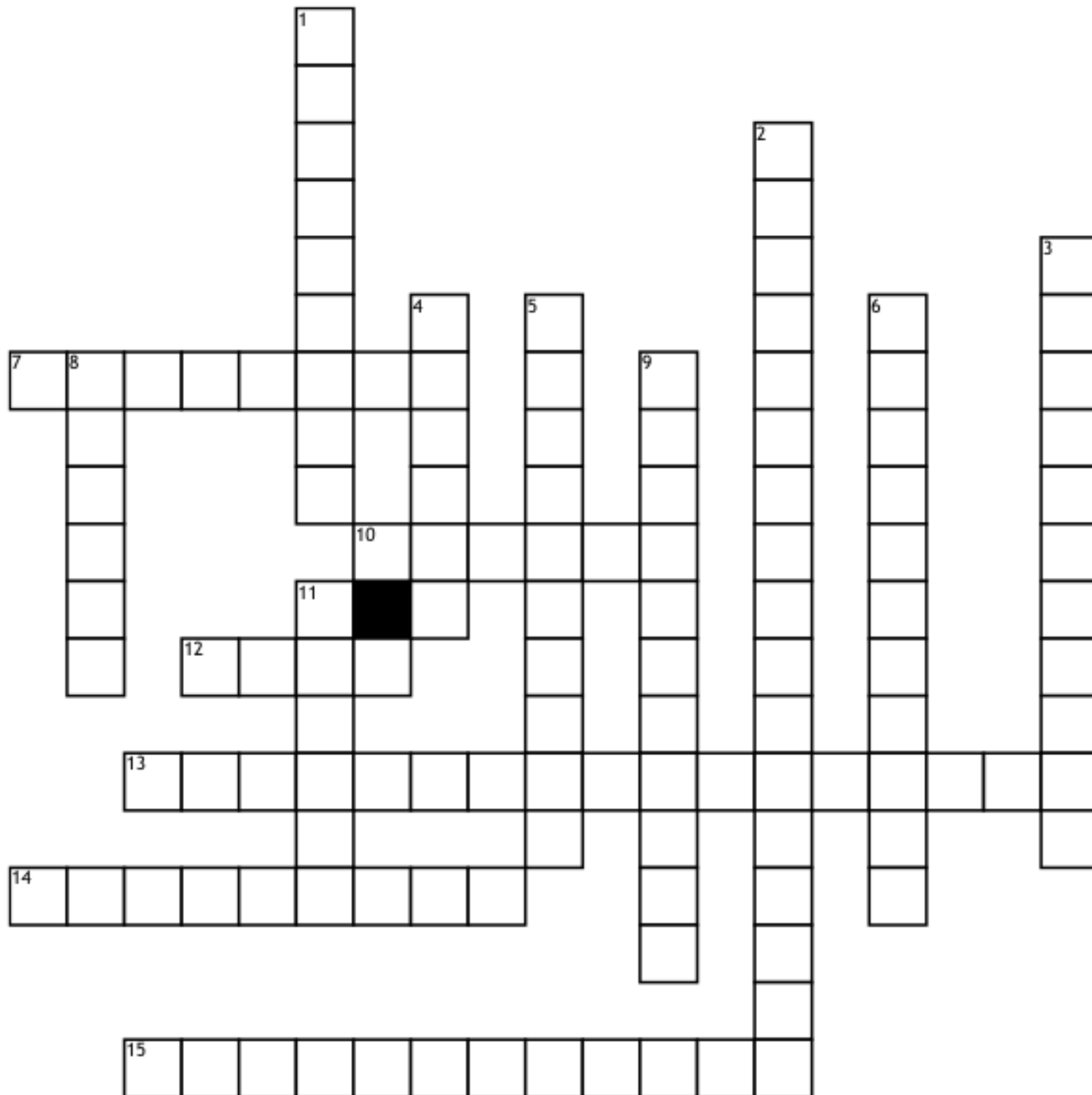


Name: _____

Date: _____

Outer space



Across

7. Space and all the matter and energy in it
 10. A relatively late spherical body that orbits a star
 12. A large celestial body composed of gas and emits light
 13. The brightness of a star as seen from Earth
 14. The distance that light travels in one year
 15. The location on the HR diagram where most stars lie.

Down

1. Hertzsprung-Russell diagram
 2. A measure of how bright a star would be if it were seen from a standard distance
 3. The sun and all of the planets and other bodies that travel around it
 4. A large cloud of gas and dust in interstellar space; a region in space where stars are born
 5. The actual brightness of an object such as a star

6. A star that has collapsed under gravity to the point that the electrons and protons have smashed together to form neutrons
 8. A gigantic explosion in which a massive star collapses and throws its outer layers into space
 9. A small, hot, dim star that is the leftover center of an old sunlike star
 11. A collection of stars, dust, and gas bound together by gravity