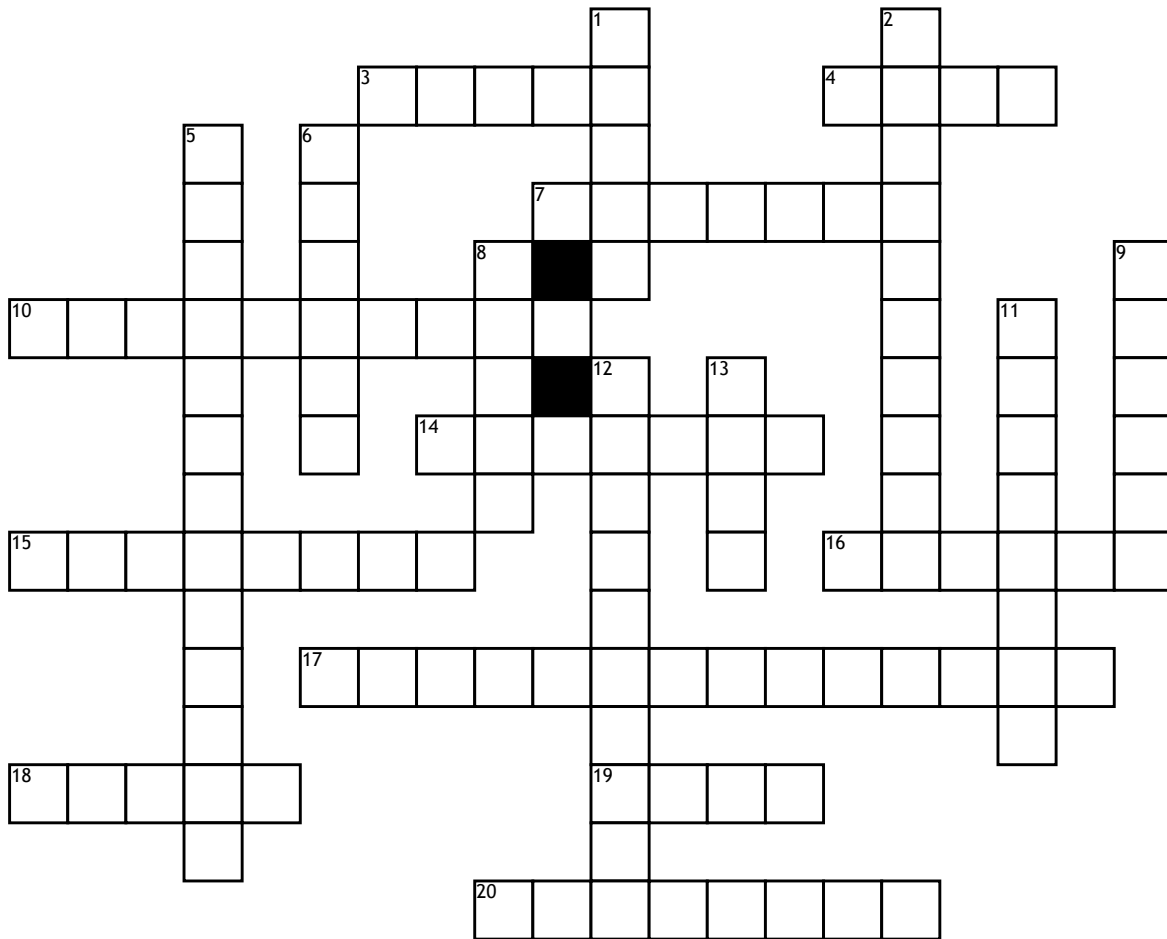


Name: _____

Date: _____

Science



Across

- 3. Amount of work done per unit of time
- 4. Joule per second
- 7. The central core of the atom made up of protons and neutrons
- 10. Work output divided by work input
- 14. A small particle in the nucleus of the atom; it has no electrical charge
- 15. Point around which a lever rotates
- 16. A positively charged particle that is part of an atom's nucleus; the number of protons is known as the atomic number

- 17. A one or two letter representation of an element on the periodic table
- 18. Unit for work (Newton-meter)
- 19. The basic particle from which all elements are made
- 20. A machine makes work easier by reducing force and increasing

Down

- 1. Elements in the same vertical column of the same periodic table; also known as a "family"
- 2. The sum of protons and neutrons in the nucleus of an atom

- 5. A chart of the elements showing the repeating pattern of their properties; arranged by atomic numbers of the elements
- 6. A horizontal row of elements in the periodic table
- 8. Can be considered a type of inclined plane wrapped around a cylinder
- 9. Unit of force
- 11. A negatively charged particle found outside the nucleus of an atom
- 12. The average mass of all the isotopes of an element; this is the decimal value found on an element card
- 13. Force times distance