

BEAMS Crossword Puzzle

Directions: Complete the puzzle using terms from the vocabulary list.

ACROSS

2. Anything that has mass
4. Holds quarks together
6. What the B in CEBAF stands for
7. Positively charged particle found in the nucleus of an atom
8. Orbit the nucleus
12. Made of protons and neutrons
13. Uncharged particle found in the nucleus of an atom
15. A material through which electricity and heat cannot move easily
18. The study of the nucleus is called nuclear _____.
21. A wire coil that acts like a magnet when electric current flows through it
22. Electrons have a _____ charge.
23. The laboratory in Newport News used to study the nucleus

DOWN

1. A material through which electricity and heat can move easily
3. Made up of a nucleus with electrons orbiting around the nucleus
5. Piece of iron, steel or other material that attracts other pieces of iron or steel
9. Family of particles that electrons belong to
10. How far an object goes in an amount of time is a measurement of the object's _____
11. Holds together protons and neutrons in the nucleus
14. Excited about, or what the E in BEAMS stands for
16. To change in velocity or energy
17. Basic building block of matter which cannot be detected in isolation
19. Uninterrupted or steady
20. Having no charge



