

Chapter 4 Key Terms

Directions: Use the clues to help you unscramble the Key Terms from the chapters. Then put the letters from the boxes in order to find the answer to the riddle.

Clues

1. A small particle in the nucleus of an atom that has a positive charge
2. A one- or two-letter representation of an element
3. A negatively charged particle found outside the nucleus of an atom
4. A state of matter that consists of a gas-like mixture of free electrons and of their nuclei
5. A term used to describe a material that can be pounded into shape
6. The process of oxygen reacting with a metal to form rust
7. The average mass of all the isotopes of an element
8. A particle in the atomic nucleus that carries no charge
9. A horizontal row across the periodic table
10. An element that has some properties of both metals and nonmetals
11. A term used to describe a material that can be drawn into a long wire
12. Atoms with the same number of protons and a different number of neutrons
13. A smaller particle that makes up protons and neutrons
14. The unique number of protons in the nucleus of an atom
15. Elements in the same vertical column of the periodic table
16. The very small center core of an atom

Key Terms

- oopntr _____
- mlhiecca yblsom _____
- tnloecr _____
- aamspl _____
- llbeealam _____
- rsoooincr _____
- cmoita sams _____
- ouetnrn _____
- roiedp _____
- ldmtioael _____
- lecuitd _____
- pooessti _____
- urakq _____
- mciaot bnuerm _____
- ialfym _____
- cuunsle _____

Riddle: What chart shows the repeating properties of elements?

Answer:
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16