



Across

- 1 A property of materials that ignite at high temperatures (14)
- 2 Reactions that release energy (10)
- 5 The ____ molecular theory states that atoms are always in motion, (7)
- 7 Bonds between two nonmetals where electrons are shared. (8)
- 9 Inaccurate model of the atom that shows electrons in static orbits (2 words, no spaces) (4,5)
- 13 Left of the arrow in a chemical equation (9)

15 Reactions that require the input of energy (11)

- 16 Electrons in the outer energy level (7)
- 17 A property of materials that ignite at high A physical property of substances that reflect light. (6)
- 18 The building blocks of matter (5)
- 20 Rows in the periodic table (7)
- 21 Elements in the same periods contain atoms with the same number of these (2 words, no space) (6,6)

Down

- 1 Elements in the same groups contain atoms with similar ____ . (2 words, no space) (8,10)
- 2 Holds atoms together (2 words, no spaces) (15,6)
- 3 Bonds between a metal and nonmetal where the former gains electrons and the latter loses them. (5)
- 4 Color, density, conductivity and boiling point are all ____ properties. (8)
- 6 represents our current understanding of the atom (3 words, no spaces) (8,5,5)
- 8 Two or more

substances that are not chemically combined. (7)

- 10 The mass of a substance divided by the volume determines this property. (7)
- 11 A physical property of substances that can be shaped by pounding or rolling, like gold. (12)
- 12 Property of substances that catch fire at normal temperatures. (12)
- 14 A physical property of substances that dissolve in water. (10)
- 19 Columns of the periodic table (6)