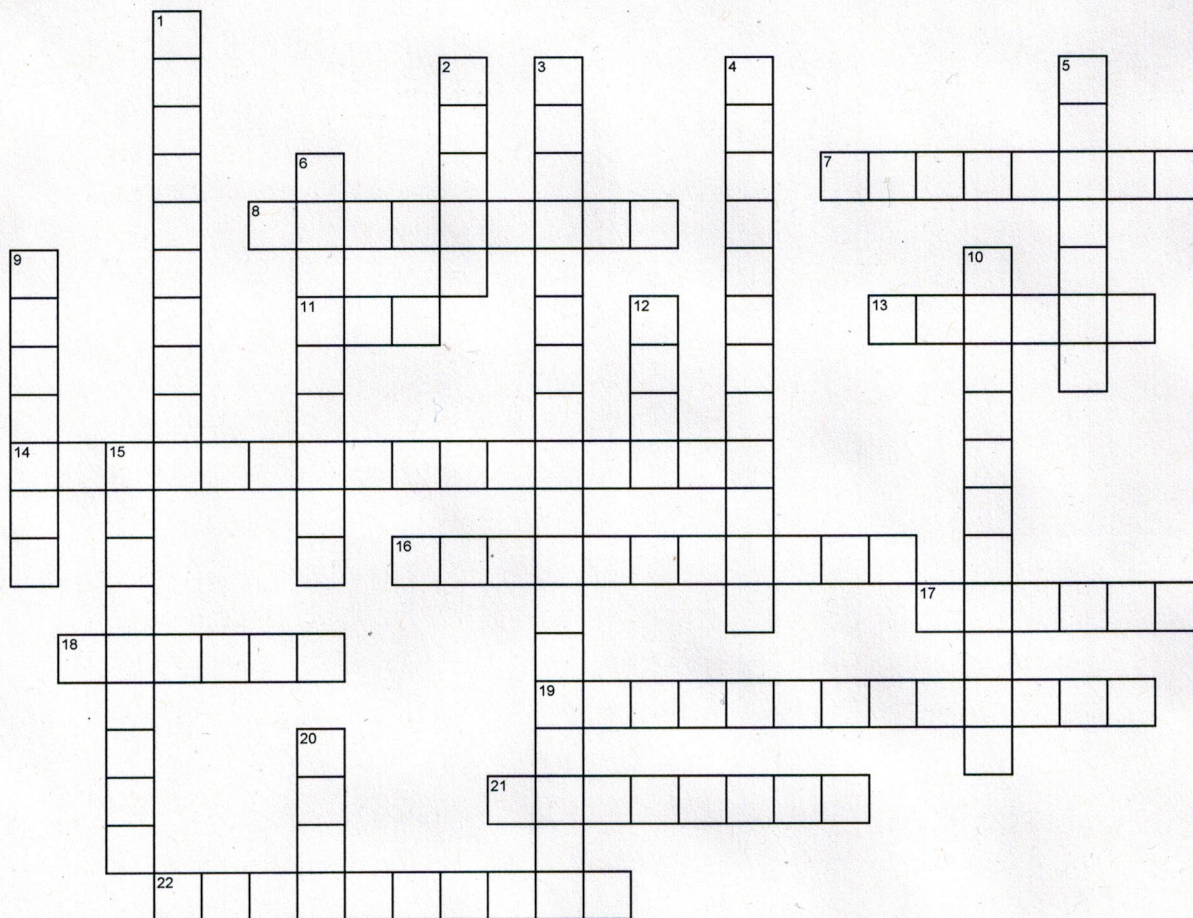


# Chapter 7 Crossword Puzzle

Complete the following puzzle. Two worded answers have no spaces.



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## ACROSS

- 7 two or more non-metallic atoms combined.
- 8 elements that are brittle, mostly gas at room temp, and do not conduct electricity.
- 11 a charged atom.
- 13 positively charged particles.
- 14 specific pattern of wavelengths, or colors of light.
- 16 when there are more electrons than protons.
- 17 elements that are shiny, conduct electricity, malleable and ductile.
- 18 electrons are restricted to specific orbits called....
- 19 a compound formed when a metal and non-metal atom react.
- 21 particles with negative charges.
- 22 The total number of protons and neutrons.

## DOWN

- 1 have some properties of metals and nonmetals.
- 2 is made of two hydrogen atoms and one oxygen.
- 3 electrons, protons and neutrons.
- 4 The number of protons and electrons.
- 5 uncharged particles.
- 6 a bond of metal ions joined to non-metal ions.
- 9 Most of an atom's mass, made of protons and neutrons.
- 10 when there are fewer electrons than protons.
- 12 a model that models the arrangement of electrons around a nucleus was created by who?
- 15 the charge of an ion whether positive or negative.
- 20 the smallest piece of any element.