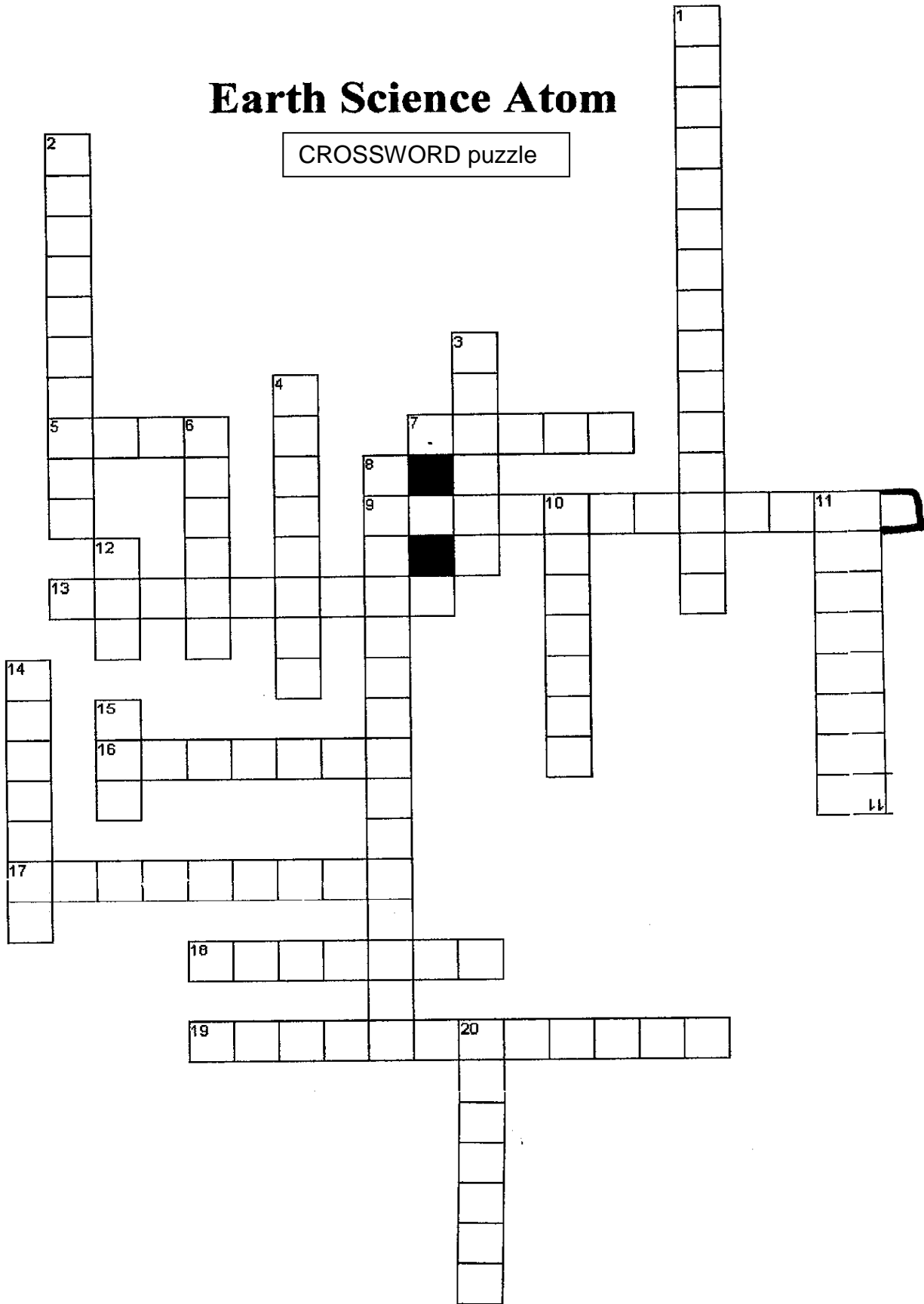


Earth Science Atom

CROSSWORD puzzle



Name:

Pd:

Across

ATOM CROSSWORD puzzle

5. The smallest part of an element that has all the physical properties of the element.
7. a compound composed of cations and anions.
9. the number of protons in an atomic nucleus, the order of an element in Mendeleev's table of the elements.
13. the smallest particle of a substance that retains the chemical and physical properties of the substance and is composed of two or more atoms.
16. A composition of two or more substances that are not chemically combined with each other and are capable of being separated.
17. Involving neither organic life nor the products of organic life.
18. Have no electrical charge
19. The outermost shell of an atom consisting of the valence electrons.

Down

1. a representation of a substance using symbols for its constituent elements.
2. the mass of an atom, usually expressed in atomic mass units.
3. Have an electrical charge that is positive.
4. A combination of two or more elements or parts.
6. is anything that has mass and takes up space.
8. an electron in the outer shell of an atom that can participate in forming chemical bonds.
10. one of two atoms having the same atomic number but different mass numbers.
11. Have an electrical charge that is negative.
12. An atom or a group of atoms that has acquired a net electrical charge by gaining or losing one or more electrons.
14. Relating to, or derived from living organisms: or designating carbon compounds.
15. Atomic mass unit, a unit of mass equal to 1/12 the mass of the most abundant isotope of carbon, also known as Dalton.
20. A substance composed of atoms having an identical number of protons in each nucleus.