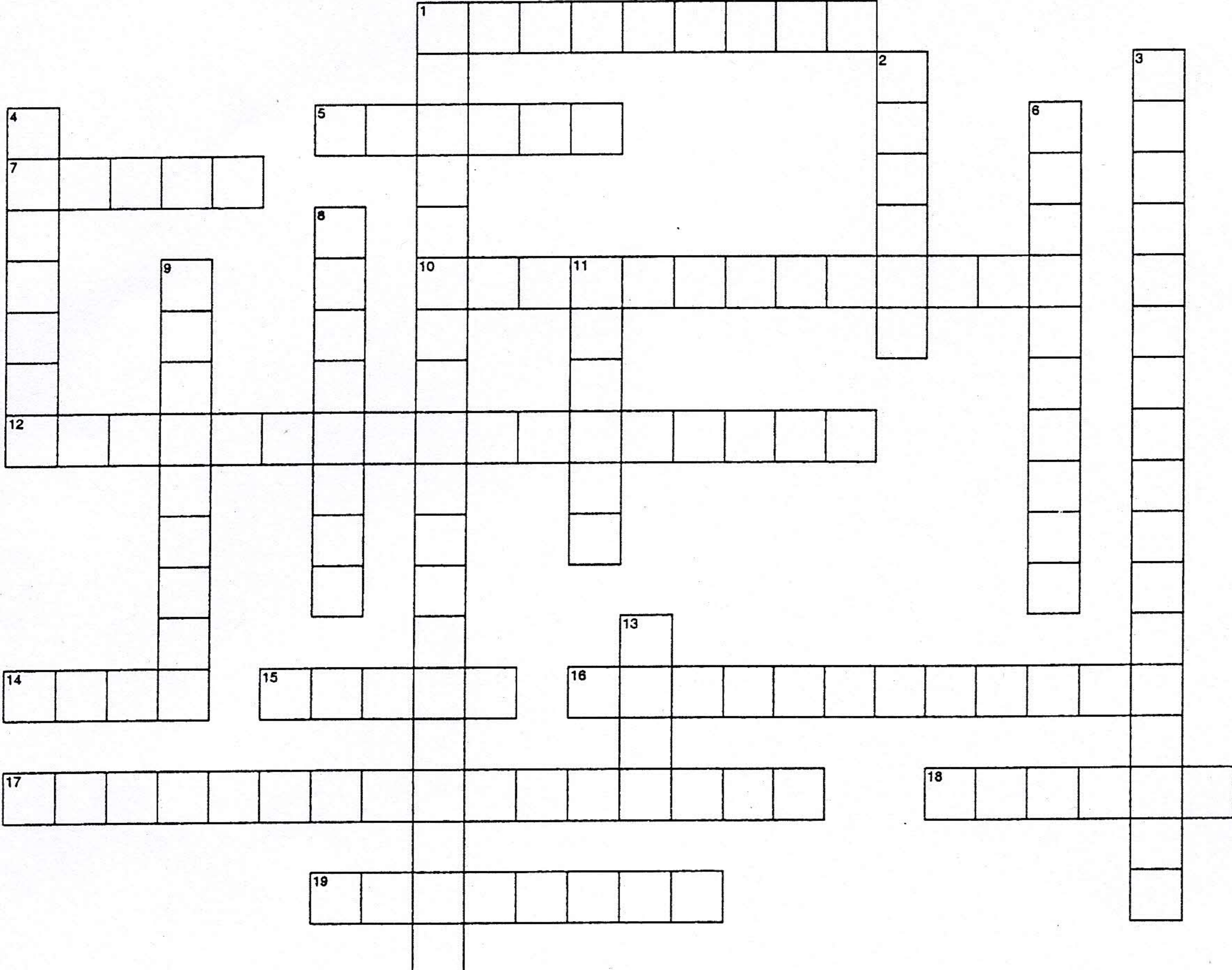


AP BIOLOGY CHAPTER TWO NAME \_\_\_\_\_



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**ACROSS**

- 1 Matter consists of chemical elements and in combinations called ?.
- 5 The ability to do work
- 7 The negatively charged atom that gained the electron
- 10 Chemical interaction that occurs with atoms with incomplete valence shells so that they either transfer or share electrons with other atoms
- 12 The attraction of an atom for shared electrons
- 14 Charged atoms

- 15 Type of bond in which electrons are transferred
- 16 Term used to refer to the mass of an atom
- 17 Indicates kinds and numbers of atoms in a molecule
- 18 The measurement unit for atomic mass
- 19 Subatomic particles with no charge

**DOWN**

- 1 When the forward and reverse chemical reactions proceed at the same rate
- 2 A positively charged atom which has lost

- an electron
- 3 A bond in which one element is more electronegative pulling the shared electrons closer to itself
- 4 Bonding capacity of an atom which equals the number of unpaired electrons in its ? shell
- 6 The number of protons and neutrons in the nucleus
- 8 When the two atoms that are joined have similar electronegativities, the electrons are equally shared and

- are said to be ?
- 9 Negatively charged subatomic particles
- 11 Anything that takes up space and has mass
- 13 Smallest unit of an element retaining the physical and chemical properties of that element