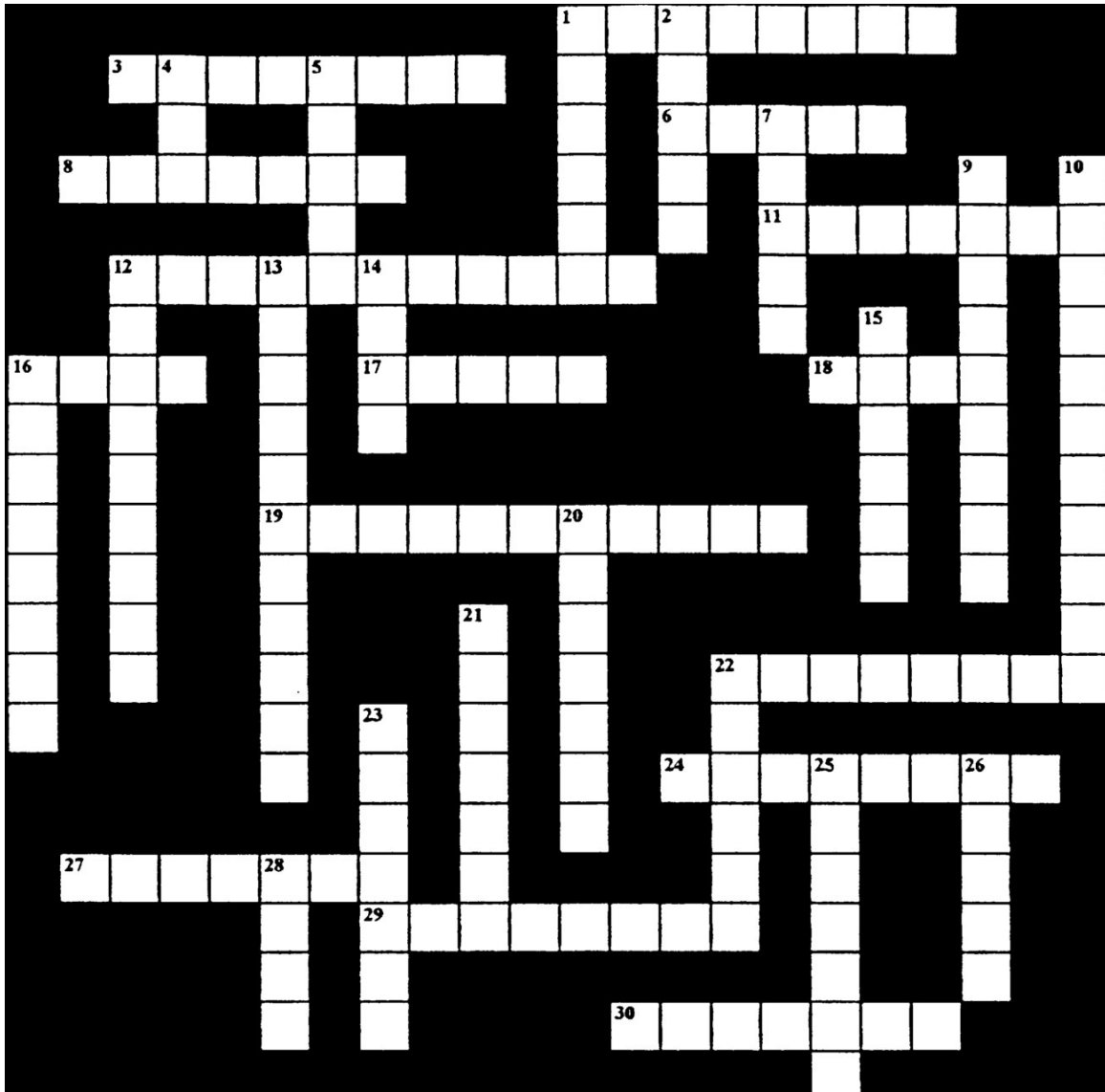


## Section 1 Crossword



### Across

1. chemical combination of two or more elements
3. mineral containing silicon and oxygen
6. solid lacking a regular crystal structure
8. rock formed or crystallized from magma
11. differs in atomic mass, not atomic number
12. possessing a regular, repeating internal arrangement of atoms
16. earth's innermost compositional zone
17. nonsilicate mineral with oxygen combined with one or more metals
18. magma that flows onto the earth's surface
19. \_\_\_\_\_ growth is characterized by a constant percentage increase per unit time
22. igneous rocks that crystallized deep within the earth
24. igneous rock formed at or near the earth's surface
27. naturally occurring, inorganic, solid element or compound
29. negatively charged subatomic particle
30. nonsilicate mineral containing sulfur but no oxygen

### Down

1. positive ion
2. naturally occurring silicate melt
4. atom that has lost or gained electrons
5. earth's outermost compositional zone
7. negative ion
9. parallel alignment of platy minerals in a rock
10. rock changed in form by heat and/or pressure
12. nonsilicate mineral containing carbon and oxygen atoms in ratio of 1 to 3
13. rock formed from sediments at low temperatures
14. smallest particle of an element
15. zone of earth's interior between crust and core
16. chemical bonding involving sharing of electrons between atoms
20. electrically neutral subatomic particle
21. nonsilicate mineral containing sulfur and oxygen in a ratio of 1 to 4
22. positively charged subatomic particle
23. atom's center
25. \_\_\_\_\_ sedimentary rocks formed from fragments of preexisting rocks or minerals
26. chemical bonding due to attraction between oppositely charged ions
28. solid, cohesive aggregate of one or more minerals