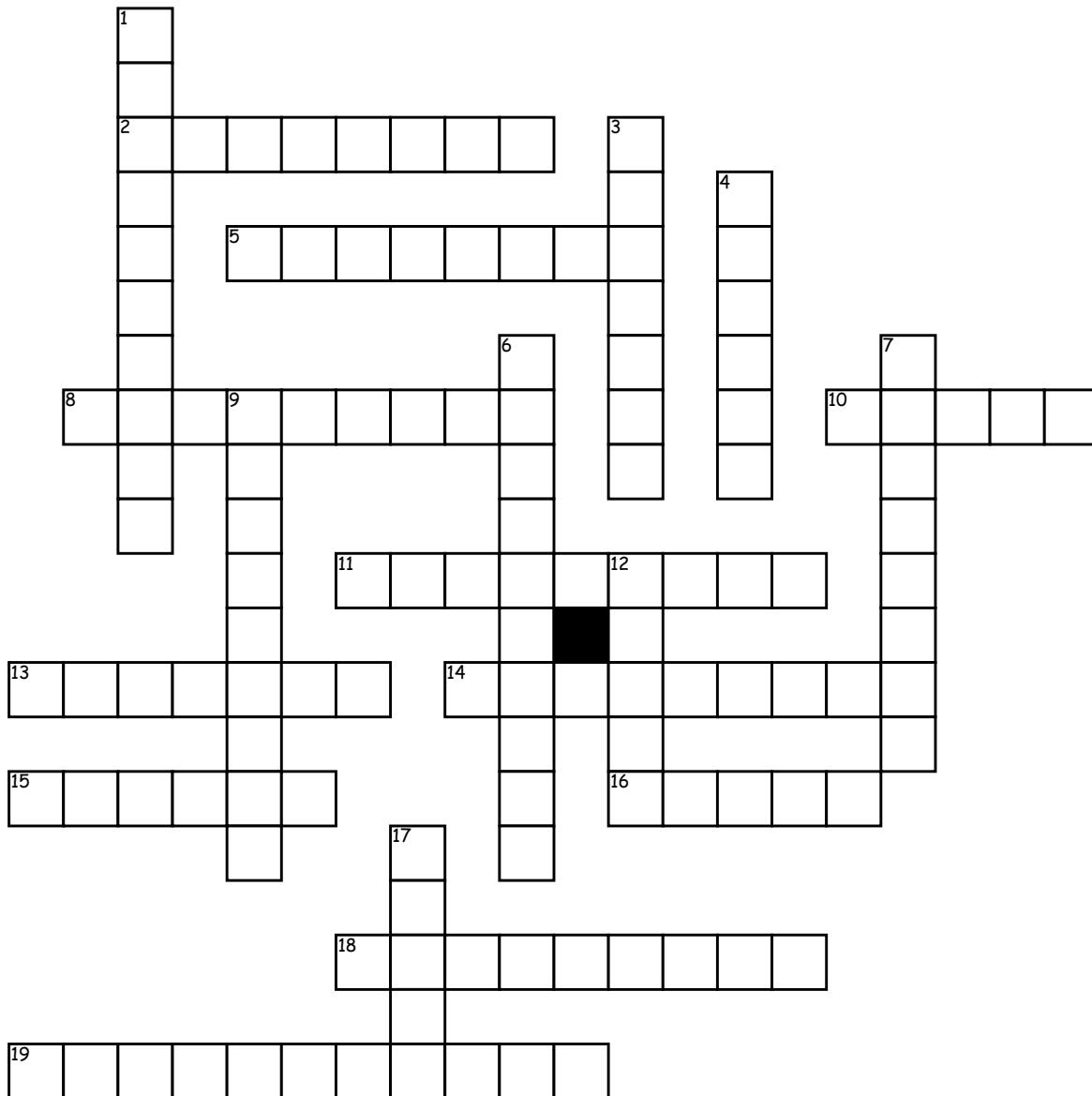


Ways to Strengthen Materials



Across

2. Two or more lines in the same direction that never cross
5. Tubing uses less _____ than solid materials.
8. _____ be used to dry and polish windows when washing them
10. Structures cellphone companies use to get better signal.
11. Solid materials are more _____ than tubing.
13. Tubing is _____ than solid materials.
14. A sport that uses many lines going in the same direction.

15. A shape with four corners and the sides are the same length
16. a solid rod made of wood, plastic or metal.
18. The shape we see in many frame structures.
19. A bar graph is diagram that shows _____ in bars or columns.

Down

1. A test where one factor at a time is changed
3. Bending something over on itself to strengthen a sheet of material.
4. A length or lengths of metal, plastic, glass, etc., in tubular form.

6. The characteristics of materials.
7. Using weak materials to build a structure will cause it to _____
9. A place where you are safe from bad weather or danger.
12. When something is not hollow inside.
17. A rod or bar forming part of a framework and designed to resist compression.