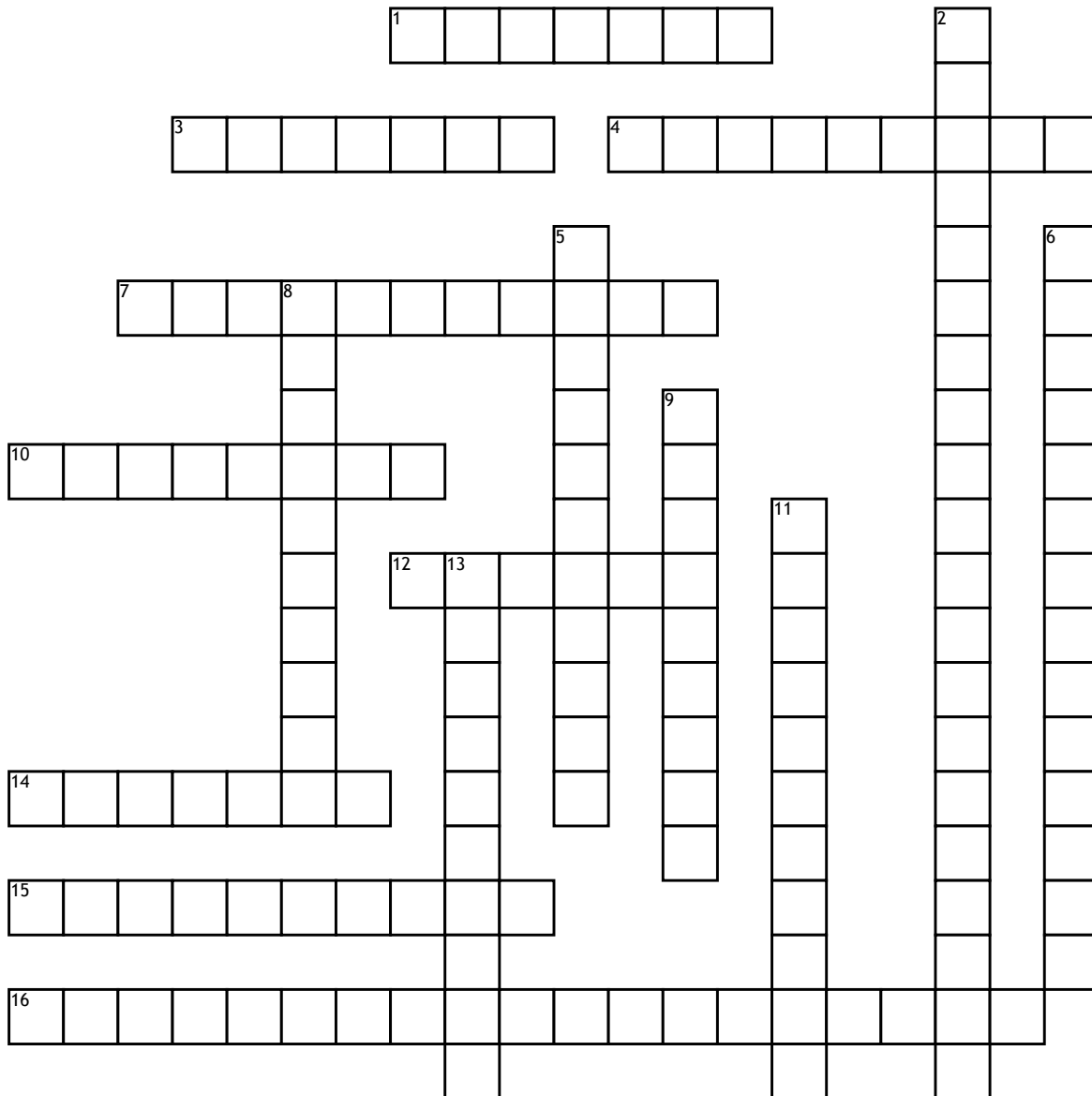


Textiles



Across

1. very large molecule made by connecting many small molecules together
3. weight in grams per cubic centimeter
4. resistance to bending or creasing
7. fibers absorb moisture readily
10. strength of a fiber
12. describes the yarn or fiber size(weight in grams for 9000 meters of fiber)
14. small chemical molecule that could repeat and connect into a macromolecule

15. ability of a strained material to recover its original dimensions immediately after removal of stress

16. refers to the amount and speed of heat transmitted through a material

Down

2. ability to transfer electrical charges
5. ability to bend repeatedly without breaking due to flexible molecular chain

6. moisture in the material is expressed as a percentage of the weight of the moisture free material

8. ability to return to original shape after bending, twisting, compressing, or a combination of deformations

9. random or disorganized arrangement of molecular chains within a fiber

11. fibers have little to no absorbency

13. ability to be stretched, extended, or lengthened. Varies with conditions (wet/dry) and temperatures