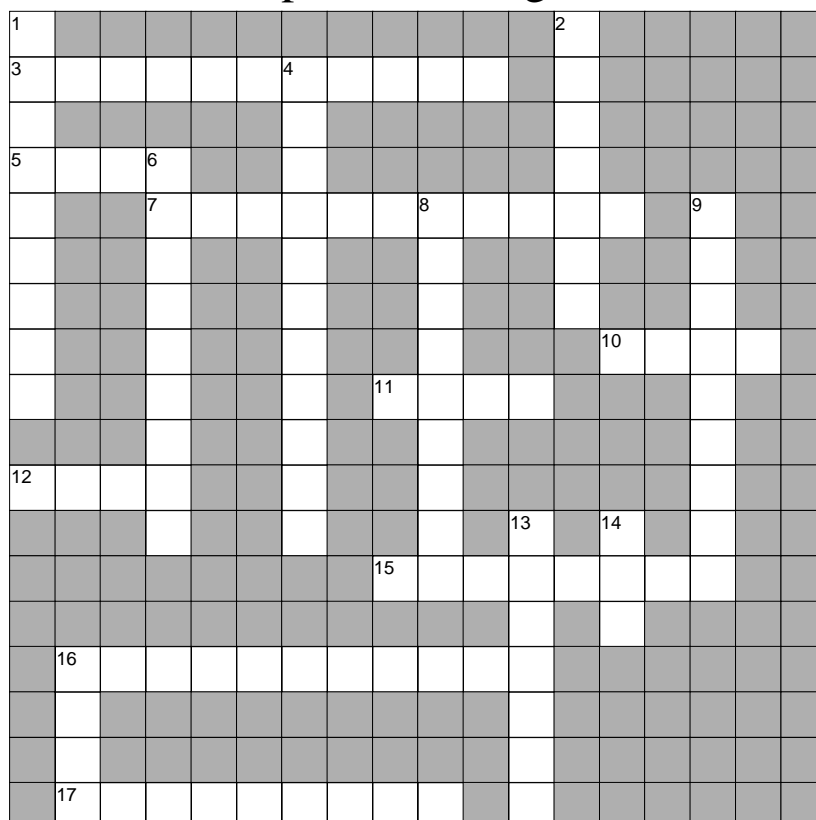


# Soaps and Detergents



## Across

3. "Water-loving" and oil-repelling.[11]
5. Cleaning product made from vegetable oil and other chemicals.[4]
7. "Water-hating" and oil-attracting.[11]
10. Type of water that does not produce much lather.[4]
11. Personal cleaning product invented 200 years ago.[4]
12. Type of water that forms a lot of lather.[4]
15. Opposite of "positive".[8]
16. End of soap molecule that attracts dirt or grease but repels water.[11]
17. Household cleaning product.[9]

## Down

1. Environmentally unfriendly chemical in cleaning products[9]
2. Hard water contains magnesium and \_\_\_\_ salts.[7]
4. Negative end of a soap molecule that attracts a water molecule.[11]
6. Chemical that causes algal blooms in waterways.[9]
8. Chemical used in soap making is sodium \_\_\_\_.[9]
9. Chemical name for caustic soda is sodium \_\_\_\_.[9]
13. \_\_\_\_ salts react with soap to form a grey scum.[7]
14. Detergents are made from animal fat or vegetable \_\_\_\_.[3]
16. Type of water that is unsuitable for washing.[4]