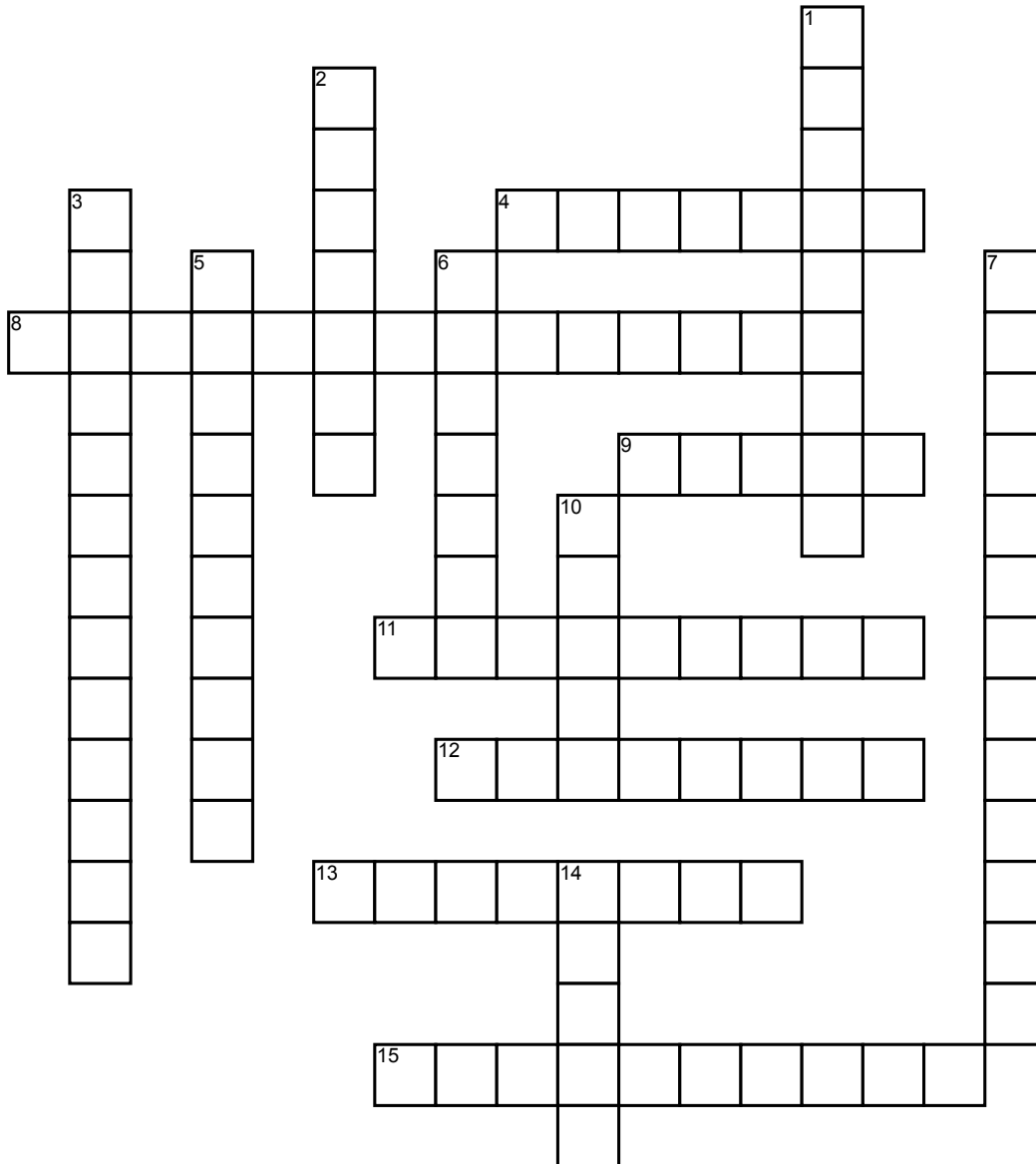


CROSSWORD CHALLENGE



Across

4. What was Colombia's fifth most lucrative chemical export in 2014 (Colombia's Industry)

8. Bioprocessing plants most commonly use what type of separation? (ChemE Students)

9. What type of impeller is best suited for heat transfer and mixing in an agitated vessel? (Agitated Vessels)

11. What is the type of distillation sometimes used in the recover of hydrogen which is operationally challenging? (Recovering Hydrogen)

12. What is the other name for a "false" alarm? (Swiss Cheese Model)

13. Installing wireless adapters for level monitoring on tanks is useful in preventing what issue? (Go Wireless)

15. CFD-DEM approach is used to model and study what type of flow? (CFD-DEM)

Down

1. What percent of Philippines chemical industry is made up of plastics? (Philippines Chemical Industry)

2. What type of diagram is commonly used in sensitivity analysis during cost estimates? (Techno-Economic Modeling)

3. What is the name of the process that SASOL uses in a gas conversion plant (Shale Gas)

5. What type of steam turbine in cogeneration operation releases steam directly to a condenser operating under vacuum? (Cogeneration Operation)

6. What type of boiler converts water to steam in only one pass? (Boiler Project Fundamentals)

7. A flame arrestor basically functions as what? (Flame Arrestors)

10. Danisco is creating the chemical Isoprene using what well-known bacteria? (Plant Metabolic Energy)

14. What percent of steam traps at any given plant are in a failed state if not taken care of properly? (Steam Traps)