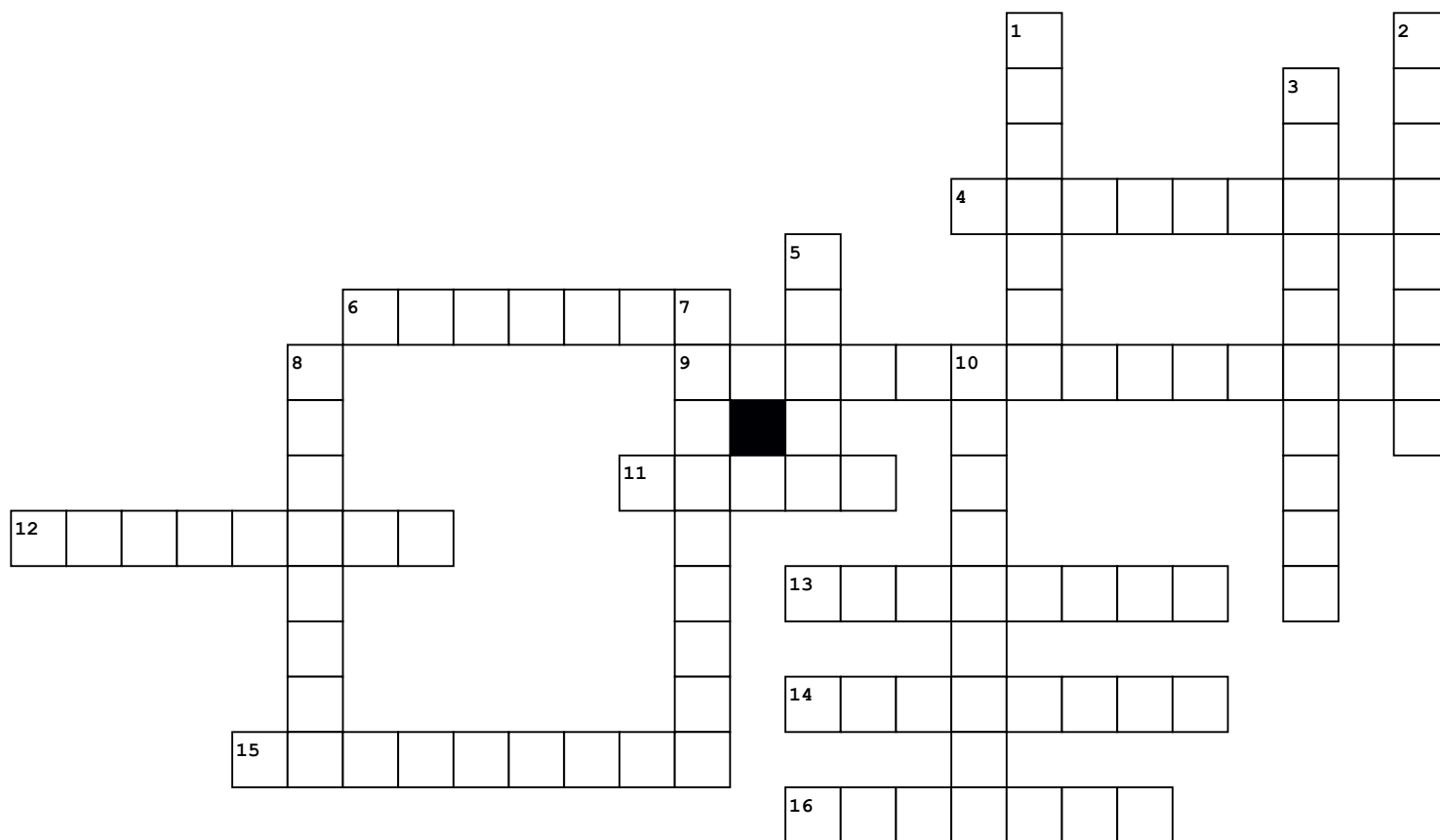


# The Crude Oil Refinery - Conversion



## Across

4. To find the problem the mechanic had to \_\_\_\_\_ the engine of my car.
6. Change the oil in your car regularly, so you don't get a \_\_\_\_\_ damaging deposits in the engine.
9. The only conversion unit that combines hydrocarbon molecules.
11. out The mechanical team must \_\_\_\_\_ regular inspections of the equipment to ensure the refinery operates safely and effectively.
12. This occurs before maintenance is performed on the heavy equipment at a refinery.
13. This material controls which reactions occur, helps a chemical reaction to go more quickly or occur at a lower temperature.
14. A hydrocarbon molecule that has five or more carbon atoms.
15. Ring chain hydrocarbon molecules with 5 or more carbon atoms.
16. Has end products of gasoline and petrochemicals.

## Down

1. After ten years and much use, my favorite t-shirt had many holes.
2. The conversion process in a refinery \_\_\_\_\_ low value hydrocarbons \_\_\_\_\_ high value ones.
3. He rides his bicycle everywhere because his car is \_\_\_\_\_.
5. The conversion unit that only uses heat to break long chains into shorter ones.
7. Straight chain hydrocarbons with five or more carbon atoms.
8. The presence of hydrogen is a necessary component of this conversion process.
10. The longest type of hydrocarbon molecule found at the refinery.