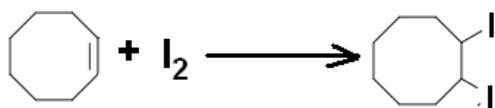


when iodine solution is mixed with cyclooctene, the color of the iodine disappears. write a reaction that shows the product.

**Answer:**



cyclooctene

1, 2 diiodine cyclooctane

This is addition reaction, which occurs by opening up of double-bond and addition the halogen atom (iodine). Therefore, the color of iodine solution disappears, 1,2-diiodine cyclooctane is colorless compound.