

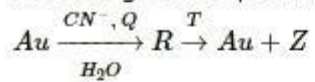
The cyanide process of gold extraction involves leaching out gold from its ore with CN^- in the presence of Q in water to form R. Subsequently, R is treated with T to obtain Au and Z. Choose the correct option(s)

- A. Q is O_2
- B. R is $[\text{Au}(\text{CN})_4]^-$
- C. Z is $[\text{Zn}(\text{CN})_4]^{2-}$
- D. T is Zn

Solution: (A, C and D)

Extraction of gold is usually done by leaching with dil. solution of NaCN in the presence of air (O_2).

According to the question,



The complete reactions are

