

3. In the electrolysis of molten calcium bromide, one mole of bromine molecules is formed for every one mole of calcium. This is because
- (a) the formula of calcium bromide is Ca_2Br .
 - (b) the valency on a calcium ion is twice that on a bromide ion.
 - (c) bromine is more reactive than calcium.
 - (d) the atomic mass of bromine is twice that of calcium.