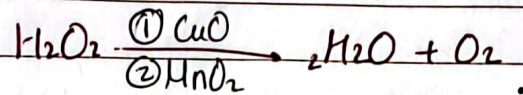


the reaction



(1) plan an exp to show that CuO is a catalyst for this reaction.

- 1- Take a known volume ~~of~~ with a known conc. of H_2O_2
 - 2- Measure volume of O_2 per unit time.
 - 3- Repeat same volume using CuO
- at known temp.
- the exp using CuO will produce more O_2 per the same unit time.

(2) plan an exp to show which of the 2 catalyst is better CuO or MnO_2
same as Q1 + same mass of catalyst.

conc: the exp which produce more O_2 per same unit time, used better catalyst.

(3) plan an exp. to show that CuO not used up during the reaction.

- 1- measure mass of CuO
 - 2- add to H_2O_2 until no more Bubbles.
 - 3- filter the mixture.
 - 4- Dry the solid in oven.
 - 5- remeasure the mass.
- x same initial + final mass.