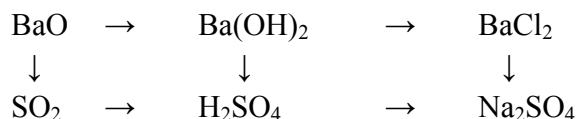


1. The ratio of percentage concentrations of equal volume of sodium hydroxide and ammonium nitrate solution is 1:1. What is the ratio of these solutions' molarity? (1 point)

2. Write the equations of these changes of substances.



(3 points for each correctly written equation)

3. How many hydrogen and oxygen atoms are there in a water glass (volume = 200 ml, $\rho = 1 \text{ g/mol}$) (6 points)

4. 3,584 l of hydrogen was eliminated by reacting 21,92 g of unknown metal together with water. What is the metal, knowing that it is bivalent in compounds? (4 points)

5. After cooling 500 g 20% iron sulphate solution was fallen 30 g of anhydrous iron sulphate. What is the concentration percentage of the rest of the solution? (4 points)