

## Molarity Worksheet

Name \_\_\_\_\_

1. What is the molarity of a solution that contains 16.0 g NaOH in 2.00 L of solution?
2. What is the volume of a 0.250 M NaHCO<sub>3</sub> solution that contains 16.8 g NaHCO<sub>3</sub>?
3. What mass of KBr would be needed to prepare 500.0 mL of 1.50 M KBr solution? Describe how this solution would be prepared.
4. What is the concentration of a solution prepared by diluting 5.0 mL of 5.0 % (w/v) NaCl to a volume of 100 mL?
5. What volume of 6.0 M HNO<sub>3</sub> would be needed to prepare 600 mL of 0.100 M HNO<sub>3</sub>? Assuming the volumes are additive, describe how this solution would be prepared.