

Prep Check 8.

Name: _____

1. Which *three* out of the following ions cause hardness in water? [3 pts]
 - a. Sodium
 - b. Calcium
 - c. Potassium
 - d. Magnesium
 - e. Iron

2. Which *two* of the following compounds are relatively insoluble and therefore are useful for removing common hardness ions?
 - a. CaCO_3
 - b. CaCl_2
 - c. Ca(OH)_2
 - d. CaSO_4
 - e. MgCO_3
 - f. Mg(OH)_2
 - g. MgSO_4

3. Match up the following:
 - a. Magnesium silicate _____
 - b. Calcium carbonate _____
 - c. Single-stage softening _____
 - d. Split-treatment softening _____