

Name:

Date:

Class:

Post-Activity Assessment

Instructions: Answer the following questions.

1. What is a hydrogel?
2. Describe what happens during the ionic crosslinking process.
3. Would the crosslinking process work if you use potassium chloride (KCl)? Justify your answer.
4. Would the crosslinking process work if you use magnesium chloride ($MgCl_2$)? Justify your answer.
5. Can you think of other possible uses of a hydrogel?
6. If you want to design a hard hydrogel, what would you do to the concentration of the ionic crosslinking solution?
7. What do you think happens in the ionic crosslinking process if you wait a longer time? Justify your answer.