

Hydrogels – An Introduction

In your groups read the article “Hydrogel: Preparation, characterization, and applications: A review.” As you read, identify what a hydrogel is and what are the primary characteristics. Additionally, describe at least three practical applications for hydrogels.

Record your findings on the worksheet titled “**Hydrogel Basics**”.

Hunting for Hydrogels:

Now that your group understands some basics about hydrogels, your challenge is to go to the store and find at least 5 **different** hydrogels. For each hydrogel your group finds you must take a picture and place the picture on your “poster”. In addition to the picture, you must give 3 pieces of information about your product to explain why you think it is a hydrogel; (Characteristics, chemical formula, structural diagram of the material, etc.)

- You may go to any store.
- You may go separately or you may go as a group.
- You may create a poster on poster board, on a computer program or even a PowerPoint slideshow. Feel free to be creative but be sure that all of the required information is included.
- If you want **extra credit**, you may collect extra products on your scavenger hunt. Just include them on your poster with the required information. (You may have up to 15 items on your poster. **5 required and up to 10 extra credit**)
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Hydrogel Hunt Due Date _____

Group members: