



## Visualizing Polymerization

We live in a visual age. The web is full of images and information that can enhance our understanding of information. Today's scientists must be able to convey their thoughts in a variety of media. They may use words, diagrams, models, videos and flash animations to represent concepts that cannot be seen. You will work with your team to create a way to visualize a polymerization reaction. Possibilities include:

- 3-D models
- diagrams
- video
- computer animations
- powerpoint presentations
- YouTube videos

Be sure to properly cite all non-original sources. **Use a variety of media to illustrate the polymerization process and make it simple to understand.**

You will share your presentation with your peers in class on \_\_\_\_\_. Presentations are allotted a MAXIMUM of 5 minutes.

- Polyethylene
- Polypropylene
- PVC
- Polystyrene
- Neoprene/Rubber
- Polyester
- Nylons
- Kevlar
- Proteins
- Starch/Cellulose
- DNA

Your presentation must include:

Models of:

- The monomer – name, molecular structure
- The polymer – name, molecular structure
- Illustration of the polymerization reaction
- Illustrations of the intermolecular forces that influence the properties specific to the use of the polymer

Oral description and written explanation of:

- The type of reaction that forms the polymer
- The intermolecular forces responsible for the properties of the polymer

Bibliography

Refer to student handbook for correct format.