

Mystery Nylon Factory Demonstration Worksheet

Discussion Questions

1. Describe what happened in this demonstration. Include all observations you made about the substance produced.

2. The polymer chains that made up nylon are randomly oriented when it is first produced. When the nylon is pulled like a thread, the chains line up into thin fibers, which increases the hydrogen bonding among the chains. What property do you think this bonding contributes to the nylon?

3. Why does the nylon form only at the interface of the two solutions?

4. What are some commercial uses of nylon?