Synthetic Polymers:

1. 
   a. 
     i
   
   ii

   iii

   1.
   
   2.
   
   3.

b. Cation polymerization
   
   i
   
   ii

   iii
1.

2.

3.

*Watch out for

C.

i Initiation

ii

iii

* 

1.

2.

c. 

i 

ii 

2
- Which polymer, branched or unbranched, would most likely be used for: grandpa's new hip:
  - Billy's sandwich bag

- Use _______ to control whether you get
  - isotactic
  - syndiotactic
  - atactic
  [polymerization]

- Synthetic Rubber is harder/stiffer than the natural stuff by _______ with _______ = \( V \)

- Natural Rubber is a polymer of _______

- Match the following

A. Alternating
B. Block
C. Random
D. Graft

\( \text{copolymer} \)

1. ABBBBABBBBAAABB
2. AAAAAAAAAAAAAAAAAAA
3. ABABABABABABABABAB
4. AABBBBBBBBBBBBBBBAB