

- The first man-made polymer made from small molecules was _____.
 - phenol
 - formaldehyde
 - bakelite
 - nylon
- The two things that help synthesize polymers are _____.
 - a double bond and a free radical
 - a starter polymer and a double bond
 - a starter polymer and a free radical
 - a starter polymer and a double bond
- Ethylene is made into strands of polyethylene which bond together by _____.
 - hydrogen bonding
 - covalent bonding
 - London dispersion forces
 - ionic bonding
- Polyethylene can be strengthened by adding _____.
 - carbon atoms
 - hydrogen atoms
 - London dispersion forces between polyethylene strands
 - covalent bonding between polyethylene strands
- Proteins are polymers of _____.
 - amino acids
 - carboxyl groups
 - glucose molecules
 - amide groups
- Examples of proteins include all of the following except _____.
 - silk
 - glycogen
 - cartilage
 - wool
- Hair and rubber are both polymers held together and strengthened by cross-bridging atoms of _____.
 - nitrogen
 - silicon
 - fluorine
 - sulfur
- The key bond between links in a protein is called a(n) _____.
 - amine bond
 - peptide bond
 - carboxyl bond
 - terminal bond