



DISCUSS & INQUIRY

- Ionic, Covalent, Hydrogen, Chemical bonds
- Water as a Dipole Molecule
- Cohesive and Adhesive Forces

Properties of:

- The Cross Linked and Ring Polymer
- The Liquid

OBSERVE & DESCRIBE



STEM CONNECTIONS

- Careful measurements of the quantities of polymer and liquids
- Calculate the number of molecules
- Forces and interactions

DO

The Cross Link and Rings Polymer activity utilizes liquids and a polymer to illustrate the concepts discussed

Change in the properties:
• Rearranged atoms as a possible explanation

OBSERVE & DESCRIBE



INVESTIGATE

One of the variables (the liquid) is changed to challenge and to start the critical thinking process

- Charge distribution differences

DISCUSS & INQUIRY

STEM CONNECTIONS

- Possible applications
- * Cost/benefit analysis

STEM CONNECTIONS

- Careful measurements of the quantities of polymer and liquids
- Calculate the number of molecules
- Forces and interactions