

plastic: polystyrene
balloon - latex

bags: polyethylene $CH_2=CH_2$

DATE

I Journal Entry

II Chart out what I know about polymers.

Polymers ^{focus on chains} that we will investigate today
Arrangement of chains influence behavior of polymer.

plumbers tape
balloon
plastic bags
plastic containers

PTFE
poly tetra
Fluoroethylene
Teflon

- Plumbers Tape - individual (parallel chains)
Skewer a Balloon - teacher demo (criss crossed chains)
Plastic Baggy - teacher demo

What I observed?

~~What I learned?~~ How did the arrangement of the chains influence behavior of polymer.

IV Pre lab - Investigating a Polymer: Plastic containers

Read steps (students construct own data table)

What evidence did you have that the arrangement of chains?

data table should include

Before Heating

After Heating

measurements, mass (g)

physical characteristics of plastic before after

Questions: on board

1. How did the arrangement of the chains influence behavior of the plastic container.

2. your polymer should have had the same mass before; after heating) conservation of mass) Explain.

- on Board, cont.