



a WOW Lab

BLUEPRINT

Polymer Bouncy Balls

Glossary

amylopectin - a highly branched polysaccharide which is the insoluble component of starch.

coagulate - to change from a fluid to a thickened mass.

cross-linkage - a bond that links two adjacent chains of atoms in a complex molecule or polymer.

elastic potential energy - the energy stored in an object that has been deformed.

emulsion - a liquid preparation consisting of two immiscible liquids, one of which is suspended as tiny particles in the other.

gravitational potential energy - the energy stored in an object due to gravity and the object's position in space.

immiscible - incapable of being mixed.

kinetic energy - energy possessed by an object due to its motion.

latex - an emulsion of plastic or rubber particles in water that is used in manufacturing adhesives and other synthetic products.

monomer - a small molecule that can join to other small molecules through molecular bonds to form a polymer.

polymer - a large compound made of many small subunits, or monomers.

polysaccharide - a polymer composed of repeating monosaccharide (simple sugar) units, linked together by a glycosidic bond.

PVA (polyvinyl acetate) - a vinyl polymer commonly used in paints and adhesives.