Heterogeneous Mixture Homogeneous Mixture

Spaghetti sauce soda pop

City air sugar

Soil aluminum foil

Beach sand sugar water

Soup paint

Oil and vinegar mayonnaise

Chocolate chip ice cream alcohol

Black coffee

Three States of matter

Solid Liquid Gas

Takes up space takes up space takes up space

Has mass has mass has mass

Has a shape of its own takes shape of container takes shape of container

Strong bonds definite volume no definite volume

Hard to deform weak bonds virtually no bonds

Does not expand spreads in direction of gravity spreads in all directions

Molecular movmt is smallest does not expand expands

Definite volume molecular movement is greatest