

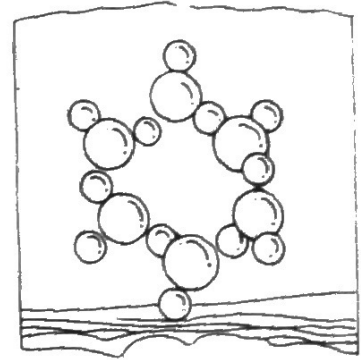
Three States of Matter

On Earth, matter comes in three common states: solid, liquid, and gas. The state of matter is determined by the strength of the bonds holding its molecules together. Matter can be changed from one state to another through the use of heat. Changes in the three states of matter are physical changes. Classify the phrases in the word box for each state of matter. Some phrases are used more than once.

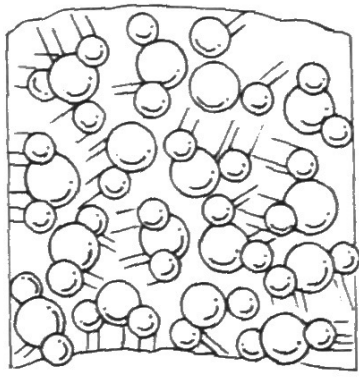
molecule movement is greatest
 takes shape of container
 weak bonds between molecules
 spreads in all directions
 virtually no bonds between molecules
 molecule movement is smallest

has mass
 has definite volume
 does not expand
 expands

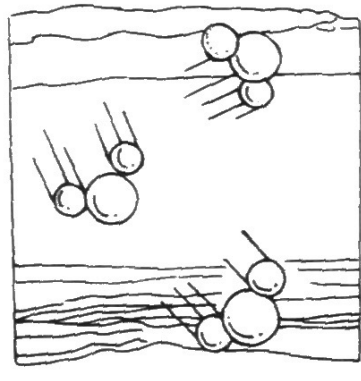
has shape of its own
 has no definite volume
 hard to deform
 takes up space
 spreads in direction of gravity
 strong bonds between molecules



Solid



Liquid



Gas
