# Properties of Matter

| SOLID:          | It has a fixed shape and structure.  
                  | It cannot be compressed.  
                  | The particles are highly rigid.  
                  | It has a definite mass.  
                  | The particles are tightly packed.  |
|-----------------|-----------------------------------|
| LIQUID:         | Takes the shape of the container.  
                  | It cannot be compressed.  
                  | The particles are not rigid.  
                  | It has a definite mass.  
                  | The particles are closely packed.  |
| GAS:            | It does not have a fixed shape and structure.  
                  | It can be easily compressed.  
                  | Particles are not rigid.  
                  | It does not have a definite mass.  
                  | Particles are loosely packed.  |