Solids, liquids and gases exercises

Complete the following table for solids, liquids, and gases by stating “YES” or “NO”

|  |  |  |  |
| --- | --- | --- | --- |
|  | SOLIDS | LIQUIDS | GASES |
| Flows |  |  |  |
| Compressible |  |  |  |
| Takes the shape of the container |  |  |  |
| Takes the volume of the container |  |  |  |
| Compact structure |  |  |  |
| Definite shape |  |  |  |
| Definite volume |  |  |  |
| Fluid |  |  |  |

Define solids, liquids, and gases in terms of compressibility, shape, volume, and structure.

ANSWERS

Solids, liquids and gases exercises

Complete the following table for solids, liquids, and gases by stating “YES” or “NO”

|  |  |  |  |
| --- | --- | --- | --- |
|  | SOLIDS | LIQUIDS | GASES |
| Flows | NO | YES | YES |
| Compressible | NO | NO | YES |
| Takes the shape of the container | NO | YES | YES |
| Takes the volume of the container | NO | NO | YES |
| Compact structure | YES | YES/NO | NO |
| Definite shape | YES | NO | NO |
| Definite volume | YES | YES | NO |
| Fluid | NO | YES | YES |

Define solids, liquids, and gases in terms of compressibility, shape, volume, and structure.

SOLID – a substance that has a definite shape and definite volume; slightly compressible and has close packed molecules that prevent it from flowing.

LIQUID – a substance that has no definite shape but has a definite volume; is slightly compressible and has close molecules that can move past each other allowing the substance to flow.

GAS – a substance that has no definite shape and no definite volume; very compressible and has molecules spread out which allows it to flow.