

Name: _____ Date: _____

Material and their properties

State True (T) or false (F).

- i. Density is a measure of how easily the substance dissolves in water.

- ii. Material that does not retain its fixed shape is called liquid. _____
- iii. Matter can exist in one of three main states: solid, liquid, or gas. _____
- iv. A solid's particles are loosely packed. _____
- v. Gas can flow and expands to fill all the space available to it. _____
- vi. On freezing water molecules give up their heat and settle closer together.

Fill in the blanks.

- i. All materials are made up of _____.
- ii. All matter takes up space and has some _____.
- iii. Matter is made up of very small particles called _____.
- iv. Solid, liquid and _____ are the three states of matter.
- v. Water changes to _____ on heating.
- vi. Materials that do not dissolve in water are said to be _____.
- vii. _____ molecules are totally free to move around.

Match the following.

Molecule	Materials that dissolve in water.
Insoluble substances	Melt into liquid when they are heated.
Most solids	Particles are packed densely enough that volume is maintained.
Soluble substances	Group of atoms bonded together.
Liquid	Materials that do not dissolve in water.