

Matter is anything that has **mass** and takes up **space**. Mass is the amount of matter an object has. Matter is everywhere. The three states of matter are **solid**, **liquid**, and **gas**. A **solid** takes up space and has a definite shape. It does not lose its shape. **Liquids** have a volume that stays the same, but it can change its shape. The liquid takes the shape of its container. **Gas** does not have a definite shape. It takes the shape of the container. It fills empty spaces. Gas does not have a definite **volume**. Volume is the space that matter takes up. Water can be a solid, gas, or liquid. Water as solid may be ice or snow. Water as gas is water vapour.

Write **true** or **false**.

1. You can measure the mass, volume or length of a solid.
2. Mass is measured in kilograms (kg).
3. Use a ruler to measure mass.
4. Mass and weight are the same.
5. There are 3 states of matter.

1. Anything that has mass and takes up space is _____.
2. The amount of matter in an object is _____.
3. _____ is the space that matter takes up.
4. A state of matter that does not have a definite volume is _____.
5. What is length?