Measurements and density

Across
2. the amount of matter in an object
5. the tool used to measure the length of objects
6. the measuring unit of weight
8. a tool used to measure the force
9. a tool used to measure the volume of liquids and irregular solid objects
11. it is the measure of gravity force

Down
1. a tool used to measure the mass of objects
3. it is a measuring unit of mass
4. the space taken by an object
7. mass of unit volume of matter and measured in gm/cm3
10. substance that can float on water