

5th Grade Physical Science
Properties of Matter Vocabulary

1. Physical property – property that does not change the chemical composition of an object, including mass, weight, hardness, physical state, density, solubility, or conductivity
2. Volume – how much space matter takes up
3. Density – how tightly matter is packed into a given space
4. Reflection – energy waves bouncing off the surface of an object
5. Hardness – how easily the smooth surface of a mineral can be scratched
6. Solubility – measurement of the ability of a solid to dissolve in a liquid
7. Matter – anything that has mass and takes up space
8. Atom – the smallest unit of an element that retains the properties of that element
9. Molecule – when two or more atoms join together and share electrons
10. Mass – the amount of matter in an object
11. State of matter – form in which matter exists depending on its density of particles at certain temperatures
12. Physical Change – Changing materials into different shapes or smaller pieces; heating and cooling and melting and freezing
13. Thermal conductivity – measure of a substances capability to transfer heat
14. Electric conductivity – measure of a substances capability to transfer electricity
15. Insulator – material that does not transfer heat or electricity well

Also know:

Relative Density – how dense something is compared with a reference material