

Matter Topic - Learning Outcomes

1. Describe solids, liquids and gases in terms of shape and volume
 2. State some properties of solids and gases
 3. State that solids, liquids and gases are made up of particles which are very small
 4. Describe how the particles are arranged in solids, liquids and gases using diagrams
 5. Explain diffusion in terms of particles mixing
 6. State that solids and liquids are difficult to compress but gases compress easily
 7. State that matter expands when heated and contracts when cooled
 8. Explain the expansion and contraction of solids in terms of energy being lost or gained by a substance
 9. Describe applications of expansion of solids, liquids and gases
 - 10 Use the particle theory to explain the changes from solid to liquid to gas in e.g. the water cycle in terms of energy being gained or lost
 11. Plan and carry out an investigation into the speed of evaporation of different liquids
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12. State the test for carbon dioxide gas
 13. Explain how levels of carbon dioxide have increased over time through
 - Respiration of organisms
 - Deforestation
 - Increased combustion of fuels
 14. Find internet sources that demonstrate a link between carbon dioxide gas and increasing global temperatures
 15. Give an example of a greenhouse gas
 16. Describe the greenhouse effect