



Lesson 2 Chemistry

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|---------------------------|---|
| 1. matter | anything that has mass and takes up space |
| 2. mass | the amount of matter in an object |
| 3. Weight | A measure of the force of gravity on an object |
| 4. Solid | A form of matter that has a definite shape and volume |
| 5. liquid | A state of matter that has no definite shape but has a definite volume. |
| 6. Gas | A state of matter with no definite shape or volume |
| 7. Condensation | the process by which a gas changes to a liquid |
| 8. Evaporation | The change of a substance from a liquid to a gas |
| 9. Sublimation | the process in which a solid changes directly into a gas (dry ice) |
| 10. Proton | positively charged particle |
| 11. Neutron | A subatomic particle that has no charge and that is found in the nucleus of an atom |
| 12. Electron | A subatomic particle that has a negative charge |
| 13. protein | An organic compound that is made of one or more chains of amino acids, used for growth and repair |
| 14. Carbohydrates | provides energy, basic building block is a monosaccharide. |
| 15. lipids | fats used to store energy. Makes up the cell membrane. do not mix with water |
| 16. nucleic acids | stores information, basic building block is a nucleotide; examples DNA and RNA |
| 17. monosaccharide | one sugar, little energy available |
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18. **polysaccharides** many sugars, a lot of energy available
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19. **two thirds** amount of water that makes up a cell
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20. **Osmosis** Diffusion of water through a selectively permeable membrane
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21. **hypertonic** more water inside cell than outside. water moving out of the cell; dehydration
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22. **hypotonic** more water outside cell than inside; water moving in.
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23. **isotonic** water equal inside and outside cell
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24. **lysis** cell bursting
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25. **acid** less than 7, tastes sour, fruits and juices, reacts with metal
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26. **base** above 7, tastes bitter, slippery, cleaning products, does not react with metal
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27. **neutral** 7 on the pH scale
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