Quizlet

18 Multiple choice questions

| 0 | uitiple choice questions | |
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| 1. | grey or yellowish-white glassy or translucent crystalline material which tastes alkaline and is soluble in water; it fervesces with acids and produces water on heating in a closed tube | |
| | a. tallow | |
| | b. oleum | |
| | c. naptha | |
| | d. trona | |
| 2. | cluster of molecules; the long hydrocarbon chains of natural soaps are insoluble in water; they cluster together, ttracted to each other by dispersion forces | |
| | a. glycerol | |
| | b. micelle | |
| | c. oleum | |
| | d. shellac | |
| 3. | ne reaction between an ester and hydroxide ion to form an alcohol and carboxylate ion; it is the hydrolysis of an ster under alkaline conditions; it refers to the alkaline hydrolysis of fats and oils, converting them into soap | |
| | a. saponification | |
| | b. surfactant | |
| | c. plastic | |
| | d. vulcanisation | |
| 4. | material able to act on another substance, changing its surface tension; the fatty acid ion in soap lowers the surf | ace |
| | a. plastic | |
| | b. trona | |
| | c. surfactant | |
| | d. smelting | |
| 5. | substance that has a high affinity for water; easily dissolves in water | |
| | a. hydrophilic | |
| | b. shellac | |
| | c. trona | |
| | d. hydrophobic | |

| 6. | a brown flaky resin secreted by the lac insect; naturally thermoplastic, it is used with fillers to make molded articles and as an ingredient in paints, lacquers and polishers | | | | |
|-----|---|--|--|--|--|
| | a. | smelting | | | |
| | b. | tallow | | | |
| | C. | shellac | | | |
| | d. | micelle | | | |
| 7. | a substance that has a low affinity for water; does not easily dissolve in water and may repel it | | | | |
| | a. | plastic | | | |
| | b. | hydrophilic | | | |
| | c. | hydrophobic | | | |
| | d. | trona | | | |
| 8. | | cess of extracting a metal from its ore by heating the ore in a blast furnace; sulfide ores are generally roasted to ert them to oxides before smelting | | | |
| | a. | shellac | | | |
| | b. | micelle | | | |
| | C. | plastic | | | |
| | d. | smelting | | | |
| 9. | also | known as fuming sulfuric acid; it is 100% sulfuric acid containing dissolves SO3 | | | |
| | a. | oleum | | | |
| | b. | glycerol | | | |
| | C. | trona | | | |
| | d. | tallow | | | |
| 10. | a mix | cture of highly inflammable nitrate esters of cellulose, made by nitrating cotton or wood pulp; it is used in making oid | | | |
| | a. | micelle | | | |
| | b. | reversible reaction | | | |
| | C. | vulcanisation | | | |
| | d. | nitrocellulose (cellulose nitrate) | | | |
| 11. | natu | cohol, also called glycerine, which is a colourless, viscous liquid with a sweet taste; its fatty-acid esters constitute ral fats and oils, from which glycerol is obtained as a by-product of soap making; glycerol is a triol (an alkane with e-OH groups) | | | |
| | a. | micelle | | | |
| | b. | tallow | | | |
| | C. | oleum | | | |
| | d. | glycerol | | | |
| | | | | | |

| 12. a substance obtained by melting the harder and less fusible kinds of animal fat; it is used for making casoap, and for greasing machinery | | | |
|---|--|-------|--|
| | a. shellac | | |
| | b. tallow | | |
| | c. naptha | | |
| | d. trona | | |
| 13. | ne process of enhancing the durability of rubber by heating it with sulfur or sulfur compounds; vulcanisation invone creation of sulfur bridges between the long-chain rubber polymer molecules | olves | |
| | a. vulcanisation | | |
| | b. plastic | | |
| | c. surfactant | | |
| | d. saponification | | |
| 14. | reaction where the forward and reverse reactions occur at the same time | | |
| | a. vulcanisation | | |
| | b. surfactant | | |
| | c. reversible reaction | | |
| | d. saponification | | |
| 15. a process for the manufacture of sodium carbonate; salt, ammonia, carbon dioxide and water react precipitated sodium bicarbonate (sodium hydrogen carbonate), which on heating gives sodium carbonate dioxide for recycling | | | |
| | a. shellac | | |
| | b. plastic | | |
| | c. glycerol | | |
| | d. Solvay process | | |
| 16. | volatile mixture of liquid hydrocarbons used as a solvent and obtained by distilling coal tar or shale oil or from efining and cracking petroleum; it has a boiling range of 80 to 180 degrees Celsius | | |
| | a. naptha | | |
| | b. trona | | |
| | c. plastic | | |
| | d. tallow | | |
| 17. | a system is at equilibrium and it is disturbed by changing some conditions, then the system will adjust itself so a ninimise this disturbance | s to | |
| | a. reversible reaction | | |
| | b. Le Chatelier's principle | | |
| | c. micelle | | |
| | d. hydrophilic | | |

- 18. a material that can be molded into desires shapes
 - a. oleum
 - b. naptha
 - c. plastic
 - d. tallow