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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Chemistry of Soap

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| **Across****5.** more effective than soap and dissolves in cold water more easily than soap**6.** it taste bitter and has a slippery feel**8.** a substance used with water for washing and cleaning, made of a compound of natural oils or fats with sodium hydroxide or another strong alkali, and typically having perfume and coloring added**9.** Doesn't dissolve and difficult to wash away**10.** could be made from common table salt and water**11.** Each molecule of soap is shaped like this**13.** molten state formed during manufacture, especially after fitting and settling out of nigre and lye**14.** add perfume, cleansing ingredients, such as extra fats or oatmeal or essential oils, to your soaps that is fed through rollers that crush it.**15.** molecules are usually joined together in groups of three, forming a molecule called a triglyceride | **Down****1.** A sweet, syrupy liquid obtained from animal fats and oils or by the fermentation of glucose**2.** Esters can be cleaved back into a carboxylic acid and an alcohol by reaction with water and a base this reaction is called **3.** test with this paper to see if acid or base**4.** a process in which one or more substances, the reactants, are converted to one or more different substances, the products**7.** it tastes sour like a pickle**12.** when soap lathers it makes  |