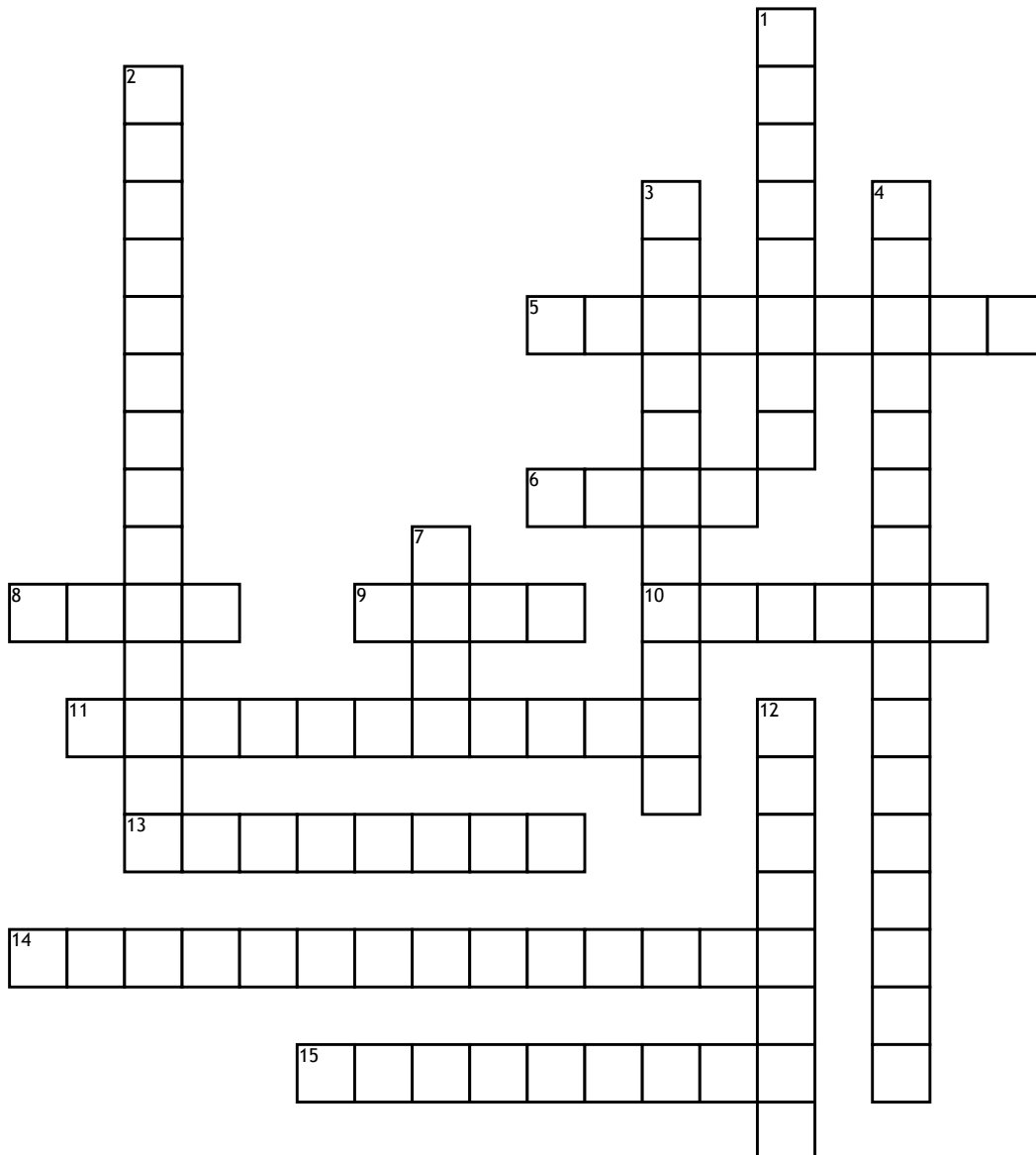


Name: _____

Date: _____

Chemistry of Soap



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