



3055 BA SANGAM COLLEGE

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WORKSHEET 14

School: Ba Sangam College

Name: _____

Subject: Basic Science

Year/Level: 9

Strand 2	Matter
Sub Strand 2.1	Materials
Content Learning Outcome	Investigate how the properties and interactions of materials influence their use.

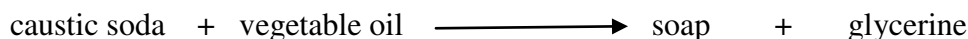
Lesson Notes–

Soap - Is made from caustic soda (sodium hydroxide) and vegetable oil

Warning

- ✚ caustic soda is dangerous as it is corrosive.
- ✚ never handle with your finger
- ✚ if it comes in contact with your skin ,wash it off with plenty of water

Soap making –is a chemical reaction



What happens to glycerine? This is the mixture left after we remove the soap.

- ✚ it is used to make paint ,cough mixture and tooth paste.
- ✚ in a soap factory oil is mixed with tallow which comes from animal fat
- ✚ Tallow helps the soap to last longer

How we made soap

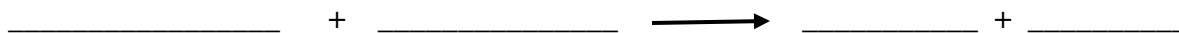
1. Four test tubes of water and 1/6 test tube of caustic soda was poured in a tin(large)
 2. The mixture was stirred until all the caustic soda was dissolved
 3. Then one test tube of coconut oil was added and the mixture was heated until it boiled
 4. The mixture was stirred and boiled for 15-20 minutes.(use low flame)
 5. The mixture was then cooled for few and were poured in smaller containers to harden overnight
- ✚ Soap making is a chemical reaction because a new substance is formed. The new substance is soap.

Exercise

1. Name the two raw materials used for making soap.

(2 marks)

2. Complete the equation for soap making.



(2 marks)

3. Glycerine is a by-product of soap making. State two uses of glycerine.

(2 mark)

4. a. Is soap making a chemical reaction? _____

(1 mark)

b. Explain your answer in (a) above.

(1 mark)

5. Oil is mixed with tallow during soap making. Why is tallow important?

(1 mark)

6. What would you do if caustic soda comes in contact with your skin?

(1 mark)

