

GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ
SESSION 2020-2021
CLASS-7 A,B,C,D,E,F
SUBJECT- CHEMISTRY
ASSIGNMENT:3

INSTRUCTIONS FOR THE E-LEARN ASSIGNMENT:

The parents to ensure that their ward watches the video instructions for this assignment by clicking the given link <https://youtu.be/OGVGW5vA35Y>

<https://youtu.be/UrACJbtFqA4>

She should revise the lesson given in the book and then work on the assignment. The completed assignment is to be downloaded and filed/pasted in the subject file/copy and kept ready for submission. The day, date and procedure of submission shall be notified later.

Reference links:

<https://youtu.be/MGLRMRU1d-8>

<https://youtu.be/2qVMdXpAn-s>

<https://youtu.be/GKH-x3kwyxQ>

CHAPTER- 3
ELEMENTS, COMPOUNDS & MIXTURES
Topic:Separating the components of mixtures

Q1. Name the methods by which the following mixtures can be separated:

- (a) Alcohol and water**
- (b) Salt and sand**
- (c) Camphor and chalk**
- (d) Oil and water**
- (e) Pigments of ink**

Q2. Fill in the blanks:

- (a) Lack of _____ in our diet may cause goitre.**
- (b) Boiling point of benzene is _____.**
- (c) Different fractions of crude oil can be obtained by _____.**
- (d) Chromatography is based on the principle of _____.**
- (e) A separating funnel is used to separate _____ liquids.**

Q3. Answer in short:

- (a) Why is iodine added to common salt?**
- (b) What is concentrated solution?**
- (c) Name three substances that can sublime?**
- (d) What is fractional distillation?**
- (e) Define immiscible liquids.**

Q4. Answer the following in detail:

- (a) Describe how salt is obtained from sea water?**
- (b) Describe how you will separate a mixture of ammonium chloride and sand?**
- (c) Give any four differences between mixtures and compounds.**
- (d) Describe the technique of paper chromatography.**
- (e) Describe the process of separating a mixture of salt and sand.**

Q5. Draw a neat labelled diagram of the apparatus setup for the process of fractional distillation.

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