

DELHI PUBLIC SCHOOL, JAMMU

May, 2021 Assignment

CLASS: XI

SUB: CHEMISTRY

Topic: SOME BASICS CONCEPT OF CHEMISTRY (Ch. 1)

Based on your understanding of the E- Lectures-cum-PPT's, video links and other e-resources shared with you, answer the following questions.

1. How will you justify that water is a compound and not a mixture? (1)
2. Classify the following as pure substances or mixtures. (1)
 - a) Air
 - b) Milk
 - c) Diamond
 - d) Tap water
 - e) Distilled water
 - f) Steel
3. What is the relation between temperature in degree Celsius and degree Fahrenheit? (2)
4. When sulphuric acid is added to water, what is formed: a compound or mixture? (2)
5. Classify the following into metals and non-metals. (1)
 - a) Helium
 - b) Sodium
 - c) Graphite
 - d) Carbon
 - e) Chlorine
 - f) Lead
6. How many significant figures are there in? (1)
 - a) 0.0025
 - b) 5005
 - c) 5.8990
 - d) 322.009
 - e) 5678.0
 - f) 12345.012
7. State and explain the law of multiple proportions with the help of an example. (2)
8. The room temperature in Celsius scale is 25°C. Convert it into the other two scales of measurement (Kelvin and Fahrenheit). (2)
9. The wavelength of a beam of light is 5867 Å. Express the value in nanometres? (2)
10. An object travels with the speed of 96 miles per hour. Calculate the speed of the object in SI units? (2)

Note:

1. Due Date of Submission: 20th July 2021

2. Send your answers here OR in class Whatsapp group in PDF form.

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3. Students must mention their name, class/section and date in their assignments

4. Your assignment will be marked for Internal /Term assessments. Therefore, it is necessary for you to submit it on time.

