



1. Write down the formula of:
 - (i) Aluminium sulphate
 - (ii) Sodium chloride.(1)
2. Calculate the formula unit mass of CaCO_3 (Given, Ca= 40u, C=12u &O=16u) (1)
3. Under which kingdom would you place single celled, eukaryotic and photosynthetic organisms? Give an example (1)
4. Define 1Pascal. (1)
5. Mention an application of density. What is its SI unit? (1)
6. In a tug of war team -A win and team- B loses. Which of these teams does (a) Positive work? (b) Negative work? Give reason for your answer. (2)
7. State the Law of constant proportions. Show that carbon dioxide illustrates the law of constant proportions. (2)
8. Why are Cotyledons known as ‘seed leaves’? How are Angiosperms classified on the basis of cotyledons? (2)
9. a) It is difficult to walk on sand with high heel shoes. Give reason. (3)
b) A group of students going for a workshop fits into a small car. If the combined mass of car and students is 1600 Kg and the combined area of wheels touching the ground is 0.08 m^2 , calculate the pressure placed on the ground by the car and students.
10. State all the postulates of Dalton’s atomic theory. (3)
12. Identify the given organism and name the division to which it belongs. Write any two characteristic features of the division. (3)



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