

CHEMISTRY ASSIGNMENT
X Std.
Periodic Classification of Elements

1. Which two criteria did Mendeleev use to classify the elements in his periodic table?
2. Write the drawbacks of Dobereiner triads.
3. Did Dobereiner triads exist in Newlands law of octaves? If yes give examples.
4. Write drawbacks of Newlands law of octaves.
5. What is Mendeleev's periodic law?
6. Why did Mendeleev left some gaps in his periodic table?
7. Would you place the two isotopes of an element in different slots because of their different atomic masses or in the same slot because their chemical properties are the same? Justify your answer.
8. Why do we classify elements?
9. Write the demerits of Mendeleev's periodic table.
10. Write the merits of Mendeleev's periodic table.