

End-of-chapter test

Chapter 1: Periodic trends

SHORT ANSWER

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1	Are all electrically neutral atoms chemically stable (i.e. unreactive)?
2	What makes atoms chemically stable?
3	Which electrically neutral atoms are chemically stable?
4	How can other atoms become chemically stable?
5	What is a chemical element?
6	Do metal or non-metal atoms tends to take electrons off other atoms? Explain.
7	Do metal or non-metal atoms tends to lose electrons to other atoms? Explain.
8	How does ionic bonding result in a regular array (lattice) of atoms?



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9	What is a compound?
10	What type of compound is held together by ionic bonds?
11	How do the atoms of a metal share electrons?
12	How does this result in metallic bonding?
13	What physical properties of metals result from this metallic bonding?
14	How do non-metal atoms share electrons?
15	What two types of compounds are held together by covalent bonding?