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Nan	ne Date
	CHEMICAL BONDING
Ans	wer the following questions.
The	notation for sodium chloride, NaCl, stands for one
((a))f	ormula unit.
(b)	rystal.
(c) a	tom.
(d) 1	nolecule.
In a	crystal of an ionic compound, each cation is surrounded by a number of
(a) 1	nolecules.
(b) I	positive ions.
(c) c	lipoles.
(d) 1	negative ions.
Com	pared with the neutral atoms involved in the formation of an ionic compound, the crystal lattice that results is
(a) ł	nigher in potential energy.
(b) l	ower in potential energy.
(c) e	equal in potential energy.
(d) ı	unstable.
The	lattice energy of compound A is greater in magnitude than that of compound B. What can be concluded from this fact
(a) (Compound A is not an ionic compound.
(b) I	t will be more difficult to break the bonds in compound A than those in compound B.
(c) (Compound B has larger crystals than compound A.
(d) (Compound A has larger crystals than compound B.
The	forces of attraction between molecules in a molecular compound are generally
(a) s	tronger than the attractive forces among formula units in ionic bonding.
(b)	weaker than the attractive forces among formula units in ionic bonding.
(c) a	approximately equal to the attractive forces among formula units in ionic bonding.
(d) e	equal to zero.
	cribe the force that holds two ions together in an ionic bond.
The	e force of attraction between unlike charges holds a negative ion and a positive ion together in an ionic bond.
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