No: COVALENT AND IONIC BONDS-SET-1 1 Covalent bonds are formed when electrons are1..... Covalent compounds have2..... electrical conductivity. Which words correctly complete gaps 1 and 2? 1 2 shared A high В shared low C transferred high D transferred low 2 The diagrams show the electron arrangements in the atoms of four elements. Which element does not form a covalent bond? В key @ electron nucleus

3	The diagram shows the outer shell electron arrangement of compound J that contains the elements Y and Z.
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	×× ×•
	×××z
	×× •× × Y ×
	^××^
	What type of compound is J?
	A an alloy
	B a macromolecule
	C covalent
	D ionic
	6
4	In which compounds are pairs of electrons abared between atoms?
	In which compounds are pairs of electrons shared between atoms?
	1 sodium chloride
	2 methane
	3 lead bromide
	A 1 only B 2 only C 1 and 3 D 1, 2 and 3
5	
	In which compounds are pairs of electrons shared between atoms?
	1 methane
	2 lead bromide
	3 sodium chloride
	West Strawer Waller Continues to Sect V
	A 1 only B 2 only C 1 and 3 D 1, 2 and 3

The diagram shows a molecule of hydrogen fluoride. In the molecule hydrogen fluoride, HF, the hydrogen and fluorine share a pair of electrons. the hydrogen and fluorine share a pair of protons. the hydrogen gives the fluorine an electron. the hydrogen gives fluorine a proton. 7 Which statement about gaseous hydrogen chloride and solid potassium chloride is correct? Hydrogen chloride is covalent but potassium chloride is ionic. Hydrogen chloride is ionic but potassium chloride is covalent. They are both covalent compounds. D They are both ionic compounds.

r atoms.
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atom	electronic structure
W	2,1
X	2,7
Y	2,8,4
Z	2,8,8

Which two atoms combine to form an ionic compound?

A W and X

B Wand Y

C X and Y

D X and Z

The following statement is about chemical bonds.

Covalent bonds are formed by the ...1... of electrons. Covalent substances have ...2... electrical conductivity.

Which words complete the statement?

	1	2
Α	sharing	high
В	sharing	low
С	transfer	high
D	transfer	low

10 The electronic structures of atoms X and Y are shown. X and Y form a covalent compound. What is its formula? XY5 XY₃ 11 Which diagram does not show the outer shell electrons in the molecule correctly? C 0620/12/O/N/10 Н