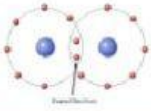
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Science Review

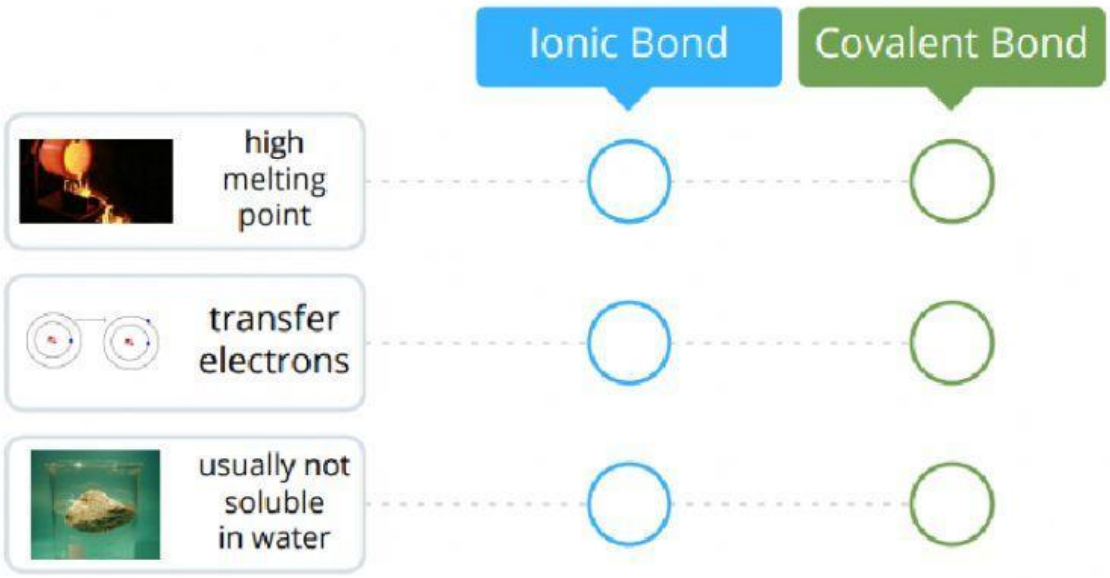
Chemical Bonding

Grade 8 National **Feb, 2022**

- Referring to the Summary sheet, decide whether the following properties apply to ionic or covalent bonds.

	Ionic Bond	Covalent Bond
 do not conduct electricity	○	○
 soluble in water	○	○
 low melting point	○	○
 liquid or gas at room temperature	○	○
 conduct electricity	○	○
 solid at room temperature	○	○
 share electrons	○	○

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LIVEWORKSHEETS



- Choose the correct answer/s.

1- Ionic bonding is between.....
a- metal and metal
b- metal and non-metal
c- non-metal and non-metal

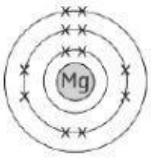
2- An ion is....
a- an atom
b- a compound
c- a charged particle

3- Electrostatic forces are caused by....
a- Oppositely charges particles
b- Two positively charged particles
c- Two negatively charged particles.

LIVEWORKSHEETS

4- The electron configuration of Magnesium is....







5- Referring to the periodic table and the Summary sheet, decide the charge for each element or polyatomic ion in the following..

a- NH_4 _____

b- Fe _____

c- CO_3 _____

d- Ba _____

6- Choose the correct chemical formula for each of the following combinations of elements: (refer to the periodic table to find the valency of the elements)

a- Potassium and Iodine

KI K_2I_2 KI_2

b- Carbon and Chlorine

CCl C_4Cl CCl_4

c- Phosphorus and Oxygen

P_2O_2 P_2O_5 P_5O_2

LIVEWORKSHEETS