Name:		Date:		り出
Chemistry ~ Ms. Hart	<u>Class:</u> Anions	or	Cations	ELA SC FC
Unit 5 – Chemical	Bonding – Sample Reg	ents Que	stions	J
1. Given the balanced equation repr	resenting a reaction:			
$Br2 + energy \rightarrow Br + Br$ Which statement describes the ene	rov change and honds in	this rea	ction?	
a. Energy is released as bond		i tilis i ca	ction.	
b. Energy is released as bond	ls are formed.			
c. Energy is absorbed as boned. Energy is absorbed as bone				
d. Energy is absorbed as bone2. An ionic compound is formed wh		etween tl	ne elements	
a. strontium and chlorine				
b. hydrogen and chlorine				
c. nitrogen and oxygen				
d. sulfur and oxygen3. Which formulas represent one io	onic compound and one	molecula	or compound?	
a. N2 and SO2	mic compound und one	morecun	a compound.	
b. Cl2 and H2S				
c. BaCl2 and N2O4				
d. NaOH and BaSO44. When an atom of chlorine forms	an ionic bond with an a	tom of se	odium the atom of chlo	rine
a. loses an electron	an forme bond with an a	.tom or so	odium, the atom of cino	Tille
b. loses a proton				
c. becomes an ion with a sma				
d. becomes an ion with a larg5. When a metal atom combines wi				
a. lose electrons and decrease		Hommet	ai atom wiii	
b. lose electrons and increase				
c. gain electrons and decreas				
d. gain electrons and increase	e in size			
Name:		_ Date: _		JAHE
Chemistry ~ Ms. Hart	<u>Class:</u> Anions	or	Cations	FC
-	Class: Anions Bonding – Sample Reg			JU
-	Bonding – Sample Reg			JU
Unit 5 – Chemical 1. Given the balanced equation repriber $2 + energy \rightarrow Br + Br$	l Bonding – Sample Reg resenting a reaction:	ents Que	stions	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene	Bonding – Sample Regresenting a reaction:	ents Que	stions	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken.	ents Que	stions	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene	Bonding – Sample Regresenting a reaction: rgy change and bonds in are broken. Is are formed.	ents Que	stions	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken. Is are formed. ds are broken. ds are formed.	ents Que	stions ction?	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken. Is are formed. ds are broken. ds are formed.	ents Que	stions ction?	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wha. strontium and chlorine	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken. Is are formed. ds are broken. ds are formed.	ents Que	stions ction?	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken. Is are formed. ds are broken. ds are formed.	ents Que	stions ction?	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen	Bonding – Sample Regresenting a reaction: rgy change and bonds in last are broken. ls are formed. ds are broken. ds are formed. nen there is a reaction be	ents Que n this rea etween tl	stions ction? ne elements	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one ion	Bonding – Sample Regresenting a reaction: rgy change and bonds in last are broken. ls are formed. ds are broken. ds are formed. nen there is a reaction be	ents Que n this rea etween tl	stions ction? ne elements	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one ion a. N2 and SO2	Bonding – Sample Regresenting a reaction: rgy change and bonds in last are broken. ls are formed. ds are broken. ds are formed. nen there is a reaction be	ents Que n this rea etween tl	stions ction? ne elements	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one ion	Bonding – Sample Regresenting a reaction: rgy change and bonds in last are broken. ls are formed. ds are broken. ds are formed. nen there is a reaction be	ents Que n this rea etween tl	stions ction? ne elements	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken. Is are formed. ds are broken. ds are formed. nen there is a reaction be onic compound and one	ents Que	stions ction? ne elements ar compound?	JU
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4 4. When an atom of chlorine forms	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken. Is are formed. ds are broken. ds are formed. nen there is a reaction be onic compound and one	ents Que	stions ction? ne elements ar compound?	rine
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4 4. When an atom of chlorine forms a. loses an electron	Bonding – Sample Regresenting a reaction: rgy change and bonds in a rebroken. Is are formed. ds are broken. ds are formed. nen there is a reaction be onic compound and one	ents Que	stions ction? ne elements ar compound?	rine
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4 4. When an atom of chlorine forms	Bonding – Sample Regresenting a reaction: rgy change and bonds in a re broken. Is are formed. ds are broken. ds are formed. nen there is a reaction be onic compound and one	ents Que this rea etween the	stions ction? ne elements ar compound? odium, the atom of chlo	rine
Unit 5 – Chemical 1. Given the balanced equation representation statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4 4. When an atom of chlorine forms a. loses an electron b. loses a proton c. becomes an ion with a smad d. becomes an ion with a larg	Bonding – Sample Regresenting a reaction: rgy change and bonds in a reaction bear formed. ds are formed. ds are broken. ds are formed. nen there is a reaction bear there is a reaction bear an ionic bond with an an aller radius than the atomser ra	ents Que this rea etween the molecula tom of so	stions ction? ne elements ar compound? odium, the atom of chlo	rine
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4 4. When an atom of chlorine forms a. loses an electron b. loses a proton c. becomes an ion with a smad d. becomes an ion with a larg 5. When a metal atom combines wi	Bonding – Sample Regresenting a reaction: rgy change and bonds in a reaction became formed. ds are formed. ds are formed. nen there is a reaction became there is a reaction became an ionic bond with an analyse radius than the atom the anonmetal atom, the	ents Que this rea etween the molecula tom of so	stions ction? ne elements ar compound? odium, the atom of chlo	rine
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4 4. When an atom of chlorine forms a. loses an electron b. loses a proton c. becomes an ion with a smad d. becomes an ion with a larg 5. When a metal atom combines wi a. lose electrons and decrease	Bonding – Sample Regresenting a reaction: rgy change and bonds in a reaction bear formed. ds are broken. ds are broken. ds are formed. nen there is a reaction bear there is a reaction bear an ionic bond with an analyse radius than the atom the anonmetal atom, the e in size	ents Que this rea etween the molecula tom of so	stions ction? ne elements ar compound? odium, the atom of chlo	rine
Unit 5 – Chemical 1. Given the balanced equation repr Br2 + energy → Br + Br Which statement describes the ene a. Energy is released as bond b. Energy is released as bond c. Energy is absorbed as bond d. Energy is absorbed as bond 2. An ionic compound is formed wh a. strontium and chlorine b. hydrogen and chlorine c. nitrogen and oxygen d. sulfur and oxygen 3. Which formulas represent one io a. N2 and SO2 b. Cl2 and H2S c. BaCl2 and N2O4 d. NaOH and BaSO4 4. When an atom of chlorine forms a. loses an electron b. loses a proton c. becomes an ion with a smad d. becomes an ion with a larg 5. When a metal atom combines wi	Bonding – Sample Regresenting a reaction: rgy change and bonds in a reaction before are formed. ds are broken. ds are formed. ds are formed. hen there is a reaction before compound and one an ionic bond with an afaller radius than the atom the anonmetal atom, the e in size	ents Que this rea etween the molecula tom of so	stions ction? ne elements ar compound? odium, the atom of chlo	rine

6. The correct name of the compound with the formula PbO2 is
a. lead (I) oxide b. lead (II) oxide
c. lead (III) oxide
d. lead (IV) oxide
7. The name of the compound KClO2 is potassium
a. hypochlorite
b. chlorite
c. chlorate d. perchlorate
8. In a propanal molecule, an oxygen atom is single-bonded with a carbon atom. What is the total number of pairs of electrons shared between these atoms?
(1) 1
(2) 2
(3) 3
(4) 4
9. A solid substance is an excellent conductor of electricity. The chemical bonds in this substance are most likely
(1) ionic, because the valence electrons are shared between atoms
(2) ionic, because the valence electrons are mobile
(3) metallic, because the valence electrons are stationary
(4) metallic, because the valence electrons are mobile
10. Which formula represents an ionic compound? (1) H2
(1) 112 (2) CH4
(3) CH3OH
(4) NH4Cl
6. The correct name of the compound with the formula PbO2 is a. lead (I) oxide
b. lead (II) oxide
c. lead (III) oxide
d. lead (IV) oxide
7. The name of the compound KClO2 is potassium
a. hypochlorite
b. chlorite
c. chlorate d. perchlorate
8. In a propanal molecule, an oxygen atom is single-bonded with a carbon atom. What is the total number of pairs of electrons shared between these atoms?
(5) 1
(6) 2
(7) 3
(8) 4
9. A solid substance is an excellent conductor of electricity. The chemical bonds in this substance are most likely
(5) ionic, because the valence electrons are shared between atoms
(6) ionic, because the valence electrons are mobile
(7) metallic, because the valence electrons are stationary
(8) metallic, because the valence electrons are mobile
10. Which formula represents an ionic compound?
(5) H2
(6) CH ₄
(7) CH ₃ OH

(8) NH4Cl