Name:	Date :
N	letallic Bonding True or False Worksheet
Are the fol	lowing statements true or false?
1. Metallic	bonds take place between metallic cations and delocalized electrons $ ightarrow$
2. Metals a	re extremely brittle →
3. Metals a	re great conductors of electricity →
4. Metals a	re poor conductors of heat →
5. Metals a	re dull to look at \rightarrow
6. Metals a	re malleable thanks to their rigid structural lattice $ ightarrow$
7. Metals a	re ductile due to their flexible structure $ ightarrow$
	al lattice, the metal ions form ionic bonds with electrons from the "sea of zed electrons" $ ightarrow$
9. Metals c	an only be found in Group 1A of the periodic table $ ightarrow$
10. The sm	naller the metallic radius, the stronger the metallic bond $ ightarrow$
11. Magne	sium has 3 delocalized electrons per ion \rightarrow
12. The cha forms -	arge of the metallic ion plays a key role in the type of metallic bond it →
13. Steel is	an alloy of iron and copper \rightarrow
14. Sterlinք	g silver is an alloy of silver and copper $ o$

15. The fewer delocalized electrons, the better the metallic bond \rightarrow

Name : Date :
Metallic Bonding True or False Worksheet
Answers Are the following statements true or false?
1. Metallic bonds take place between metallic cations and delocalized electrons \rightarrow True
2. Metals are extremely brittle \rightarrow False
3. Metals are great conductors of electricity \rightarrow True
4. Metals are poor conductors of heat \rightarrow False
5. Metals are dull to look at \rightarrow False
6. Metals are malleable thanks to their rigid structural lattice \rightarrow False
7. Metals are ductile due to their flexible structure \rightarrow True
8. In a metal lattice, the metal ions form ionic bonds with electrons from the "sea of delocalized electrons" \rightarrow False
9. Metals can only be found in Group 1A of the periodic table \rightarrow False
10. The smaller the metallic radius, the stronger the metallic bond \rightarrow True
11. Magnesium has 3 delocalized electrons per ion \rightarrow False
12. The charge of the metallic ion plays a key role in the type of metallic bond it forms \rightarrow True
13. Steel is an alloy of iron and copper \rightarrow False

14. Sterling silver is an alloy of silver and copper \rightarrow True

15. The fewer delocalized electrons, the better the metallic bond \rightarrow False