



Match the following answers:

1.

- a. Copper
- b. sulphur
- c.  $\text{Na}^+$
- d.  $\text{Cl}^-$
- e. magnesium chloride
- f.  $\text{CO}_2$
- g.  $\text{HCl}$

2. 1. Ionic bond

2. covalent and co-ordinate bonding

3. increases

4. decreases

5. covalent bond

3. i. acid salt  $\rightarrow$  sodium hydrogen carbonate

ii. mixed salt  $\rightarrow$  sodium potassium carbonate

iii. complex salt  $\rightarrow$  sodium zincate

iv. double salt  $\rightarrow$  alum

v. normal salt  $\rightarrow$  sodium carbonate

4. White, yellow, black

5.

1. C

2. E

3. A

4. D

5. B

6. F

6.

<b>Process</b>	<b>Anode</b>	<b>Electrolyte</b>	<b>Cathode</b>
Silver plating a spoon	A bar of pure silver	Solution of potassium argento cyanide	Spoon
Purification of copper	Impure copper rod	Acidified copper sulphate solution	Thin plate of copper

7. i. B

ii. D

iii. E

iv. A

v. C

8. 1. E

2. C

3. D

4. A

5. B

9. i. F

ii. E

iii. D

iv. C

v. B

vi. A

10. i. A

ii. E

iii. D

iv. A

v. b

vi. H

vii. F

viii. G

11. 1-B-B<sub>1</sub>

2-C-C<sub>1</sub>



3-E-B<sub>1</sub>

4-A-A<sub>1</sub>

5-D-B<sub>1</sub>

12. i. E

ii. F

iii. D

iv. A

v. C

vi. B

13.

salt	Method of preparation
a. ammonium sulphate	E
b. calcium carbonate	C
c. iron III chloride	D
d. lead nitrate	B
e. zinc sulphate	A

14.

14.

salt	Method of preparation
a. ferrous sulphide	i. synthesis
b. sodium sulphate	ii. neutralization
c. barium sulphate	iii. precipitation
d. ferric sulphate	Iv. Oxidation
e. zinc sulphate	v. displacement

