Chemical Formula of Binary Ionic Compounds – Sheet 1

The combining power or valency of **silver is always 1**.

All other **transition metals are 2** unless otherwise indicated.

No.	Binary compound	Formula	✓
1	potassium fluoride		
2	calcium chloride		
3	barium bromide		
4	silver sulfide		
5	aluminium iodide		
6	potassium iodide		
7	lead(II) oxide		
8	zinc nitride		
9	silver iodide		
10	barium fluoride		
11	lead(II) iodide		
12	silver fluoride		
13	sodium sulfide		
14	sodium bromide		
15	caesium oxide		
16	zinc fluoride		
17	aluminium phosphide		
18	barium sulfide		
19	aluminium oxide		
20	aluminium chloride		
21	aluminium sulfide		
22	lead(II) oxide		
23	barium chloride		
24	copper chloride		
25	barium phosphide		

No.	Binary compound	Formula	✓
26	calcium sulfide		
27	lithium bromide		
28	nickel sulfide		
29	zinc phosphide		
30	barium iodide		
31	caesium chloride		
32	copper bromide		
33	sodium nitride		
34	silver chloride		
35	sodium hydride		
36	potassium nitride		
37	cobalt chloride		
38	magnesium sulfide		
39	potassium chloride		
40	calcium bromide		
41	iron(III) oxide		
42	aluminium fluoride		
43	magnesium bromide		
44	iron(II) chloride		
45	barium nitride		
46	sodium fluoride		
47	lithium fluoride		
48	lithium iodide		
49	lithium hydride		
50	potassium oxide		

"Aluminium" and "caesium" are commonly used alternative spellings for "aluminum" and "cesium" that are used in the UK. May be freely copied for educational use. © [illegible]