

IONIC BONDING WORKSHEET 1

1. What part of the atom is involved in forming a chemical bond?
2. What are the two ways of forming chemical bonds?
3. What kind of outer shell electron arrangement does an atom usually get when it combines with other atoms?
4. What is an ionic bond?
5. What is a covalent bond?
6. What is a polar covalent bond?
7. Draw electron dot notation for a potassium ATOM.
8. Draw electron dot notation for a potassium ION.
9. Draw electron dot notation for a lithium ATOM.
10. Draw electron dot notation for a lithium ION.
11. Draw electron dot notation for a sodium ATOM.
12. Draw electron dot notation for a sodium ION.
13. Draw electron dot notation for a fluorine ATOM.
14. Draw electron dot notation for a fluoride ION.
15. Draw electron dot notation for a chlorine ATOM.
16. Draw electron dot notation for a chloride ION.

17. Draw electron dot notation for a bromine ATOM.
18. Draw electron dot notation for a bromide ION.
19. Draw electron dot notation for a calcium ION.
20. Draw electron dot notation for a magnesium ION.
21. Draw electron dot notation for a strontium ION.
22. Draw electron dot notation for a sulfide ION.
23. Draw electron dot notation for an oxide ION.
24. Show the formation of a compound of lithium and bromine using electron dot notation.
25. Show the formation of a compound of magnesium and oxygen using electron dot notation.
26. Show the formation of a compound of strontium and bromine using electron dot notation.
27. Show the formation of a compound of sodium and sulfur using electron dot notation.
28. Show the formation of a compound of sodium and fluorine using electron dot notation.
29. Show the formation of a compound of magnesium and sulfur using electron dot notation.
30. Show the formation of a compound of potassium and sulfur using electron dot notation.
31. Show the formation of a compound of calcium and chlorine using electron dot notation.