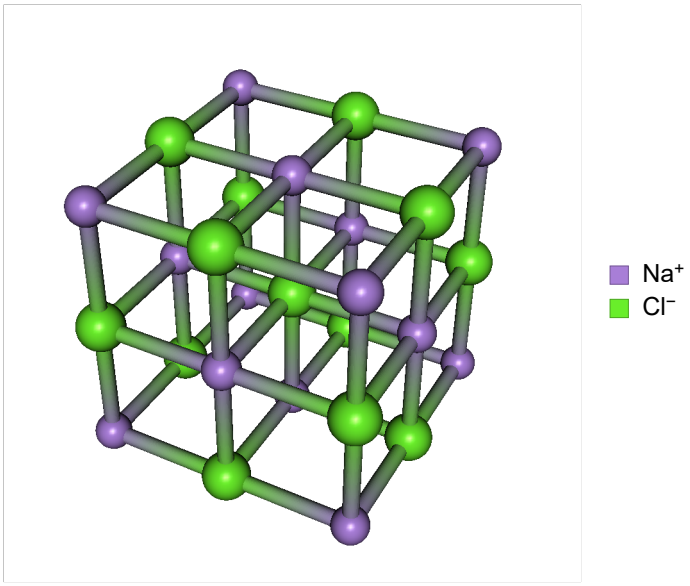
In[ ]:=
```
Needs["Crystallica`"];
cry = Legended[CrystalPlot[{{5, 0, 0}, {0, 5, 0}, {0, 0, 5}}, {{0, 0, 0}, {0, .5, .5},
      {.5, .5, 0}, {.5, 0, .5}, {.5, 0, 0}, {0, .5, 0}, {0, 0, .5}, {.5, .5, .5}},
     {1, 1, 1, 1, 2, 2, 2, 2}, AtomCol → {"Na", "Cl"}, AtomRad → {0.35, 0.45},
     BondStyle → 2, BondDist → 3, BondRad → 0.15, CellLineStyle → False, AddQ → True,
     Lighting → {{"Directional", White, ImageScaled[{0, 0, 1}]}}, ImageSize → 300],
    Placed[SwatchLegend[{ColorData["Atoms", "Na"], ColorData["Atoms", "Cl"]},
      {"Na⁺", "Cl⁻"}], After]];
Show[cry, Background → White]
Export[NotebookDirectory[] <> "NaCl.pdf", cry]
```

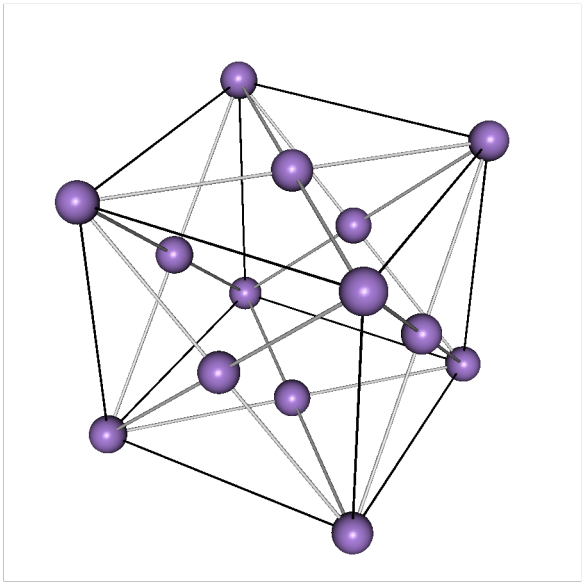
Out[ ]=



Out[ ]= C:\Users\Shane\Mathematics\Notebook\Mathematica\Codes\Lattice Green Function\NaCl.pdf

In[ ]:=
```
cry1 = CrystalPlot[{{5, 0, 0}, {0, 5, 0}, {0, 0, 5}},
    {{0, 0, 0}, {0, .5, .5}, {.5, .5, 0}, {.5, 0, .5}}, {1, 2, 2, 2},
    AtomCol → {"Na", "Na"}, AtomRad → {0.35, 0.35}, BondStyle → 0, BondDist → -3,
    BondRad → 0.03, CellLineStyle → {1, 0}, BondCol → LightGray, AddQ → True,
    Lighting → {{"Directional", White, ImageScaled[{0, 0, 1}]}}, Background → White,
    ImageSize → 300, ForceBonds → {"AtomsStrong" → {{1, 9}, {1, 12}, {1, 13}, {5, 7},
        {5, 10}, {5, 14}, {7, 10}, {7, 14}, {12, 9}, {12, 13}, {10, 14}, {9, 13}}}];
Show[cry1, Background → White]
Export[NotebookDirectory[] <> "FCC.pdf", cry1]
```

Out[ ]=



Out[ ]= C:\Users\Shane\Mathematics\Notebook\Mathematica\Codes\Lattice Green Function\FCC.pdf