

Problem Set 2 Python Rubric

The Python portion of this Problem Set will be graded out of 10 points and is worth 4% of your total grade.

Task	Points
Integrators <ul style="list-style-type: none">• Velocity Verlet• Chosen Integrator	Points <ul style="list-style-type: none">• 1.5 points• 1.5 points
Makefile/Plotting	2 points
Documentation and Reflection	5 points

Problem Set 2 C++ Rubric

This C++ portion of this Problem Set will be graded out of 10 points and is worth 4% of your total grade.

Task	Points
Class methods <ul style="list-style-type: none">• Default constructor• Constructor that takes <code>std::vector</code>• Copy constructor	Points <ul style="list-style-type: none">• 0.5 point• 0.5 point• 1.0 point

- Get atom by index
- Adding an atom
- `size()`
- `clear()`
- Molecular weight function
- Center of mass function
- Moment of inertia function

- 0.5 point
- 1.0 point
- 0.5 point
- 0.5 point
- 1.0 point
- 1.5 points
- 3.0 points