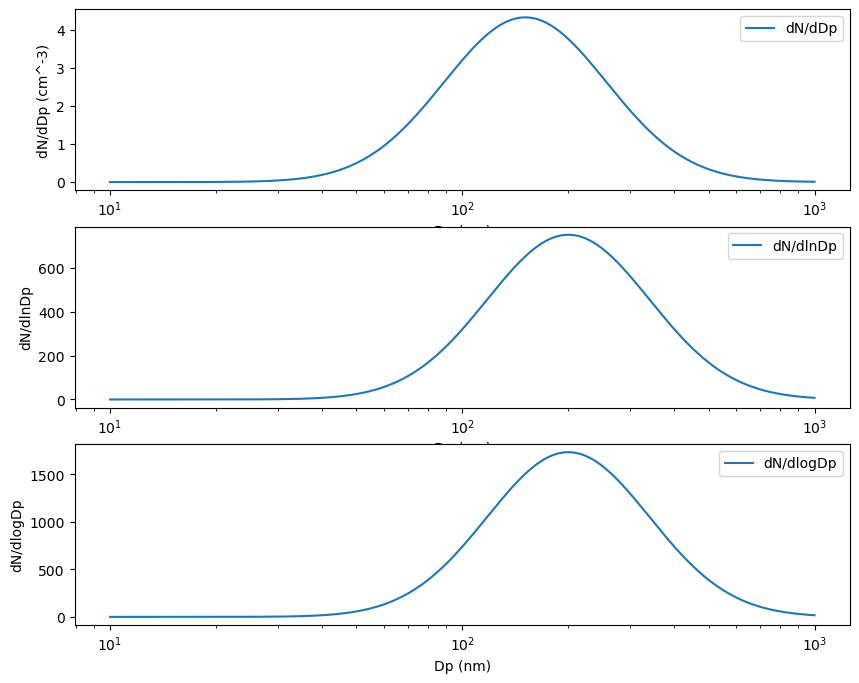


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|  | | Homework 1 | | | | |  | |
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|  | | | |  |  | | | |
|  | | | | Masoud Akbarzadeh |  | | | |
|  | | | | 2/12/2024—Aerosol Physics & Chemistry— |  | | | |
|  | | |  | | |  | | |
|  | | |  | | |  | | |

### Problem 1

1. a.



**1. b**

### 

1. **C**

### A screenshot of a graph Description automatically generated

### Problem 2

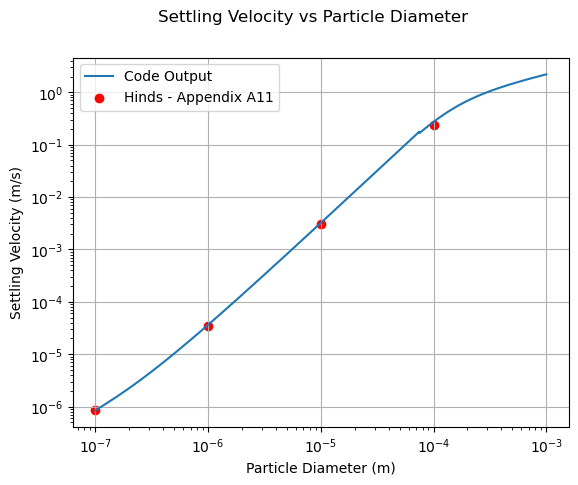
1. Assumptions:

Air:  
M = 0.289 kg/mol

Viscosity = 1.84e-5 Pa.s

Density = 1.18 kg/m3

Mean free path = 6.67e-8 m



A graph of a number of particles

Description automatically generated