

**Worksheet # 2**

Monday, April 8, 2024

**Name**

**Question (5 pts):**

The absorption cross-section is defined as the rate of energy absorption by one atom normalized by incident light intensity. What are the units for the absorption cross-section?

**If you have time:**

If you know the absorption cross-section, what else would you need to determine how much light is absorbed (or transmitted) as it passes through a container with many atoms ?