

Question 1 for Final Exam:

Review the size distributions below.

- A) State what evidence you see for the processes that contributed to this size distribution.
- B) State which processes would be slow or negligible and why.
- C) State the typical source type and composition that is likely for this distribution.
- D) State where you might expect to measure this size distribution in the atmosphere.

Question 2 for Final Exam:

Consider how the formation of a cloud affects aerosol composition for the cloud described below.

- A) Draw the size distribution before, during and after the cloud.
- B) What characteristic of drop formation results in very narrow cloud drop distributions?
- C) Will a Hoppel gap be produced? Explain why or why not.
- D) How is the composition of the particles changed during this cloud? Specify sizes that are affected.