Lung 40X (Scanning Power) Notice the spaces within the organ surrounded by the thin “lines.” These are alveoli, or air sacks, and they are bound by simple squamous epithelium.

Lung 100X (low power) - This is the same view magnified to 100X. Notice that the lining of the alveoli.

Lung 400X (high power) - This is the same field magnified to 400X. The lining of the alveoli are recognized as a single layer of flat cells, or simple squamous epithelium. The is particularly noticeable at the arrow.