Plate #7. Rough (or granular) endoplasmic reticulum (from a “plasma cell” as is Plate 1); note 0.5-micron scale at bottom.

Identify and be able to recognize:

**rough (or granular) endoplasmic reticulum**

The entire area seen here consists of rough endoplasmic reticulum, from an area like that labeled GER in Plate 1 but at more than twice the magnification. Note again the extensive network of membranes and the differences between the spaces around them: on one side of a membrane are numerous dark dots, the ribosomes (for instance, at Y); on the other is a lighter area into which whatever is being produced is released (for instance, at X).
