

CHAPTER 3 ANATOMY OF CELLS

I. Cell Shape

- A. Shape varies based on cell function
(Table 3-1)

II. Cell Structure

- A. Membrane
 - 1. Phospholipid Bi-layer
 - 2. Chemical Properties (Hydrophobic / Hydrophilic) contribute to its structure

B. Organelles & Nucleus

- C. Cytoskeleton
 - 1. Internal supporting framework
 - 2. Allows for mobility

3. Centrosome – coordinates building of microtubules
 - a. Important during cell division