

Chapter 4

Cell Structure and Function

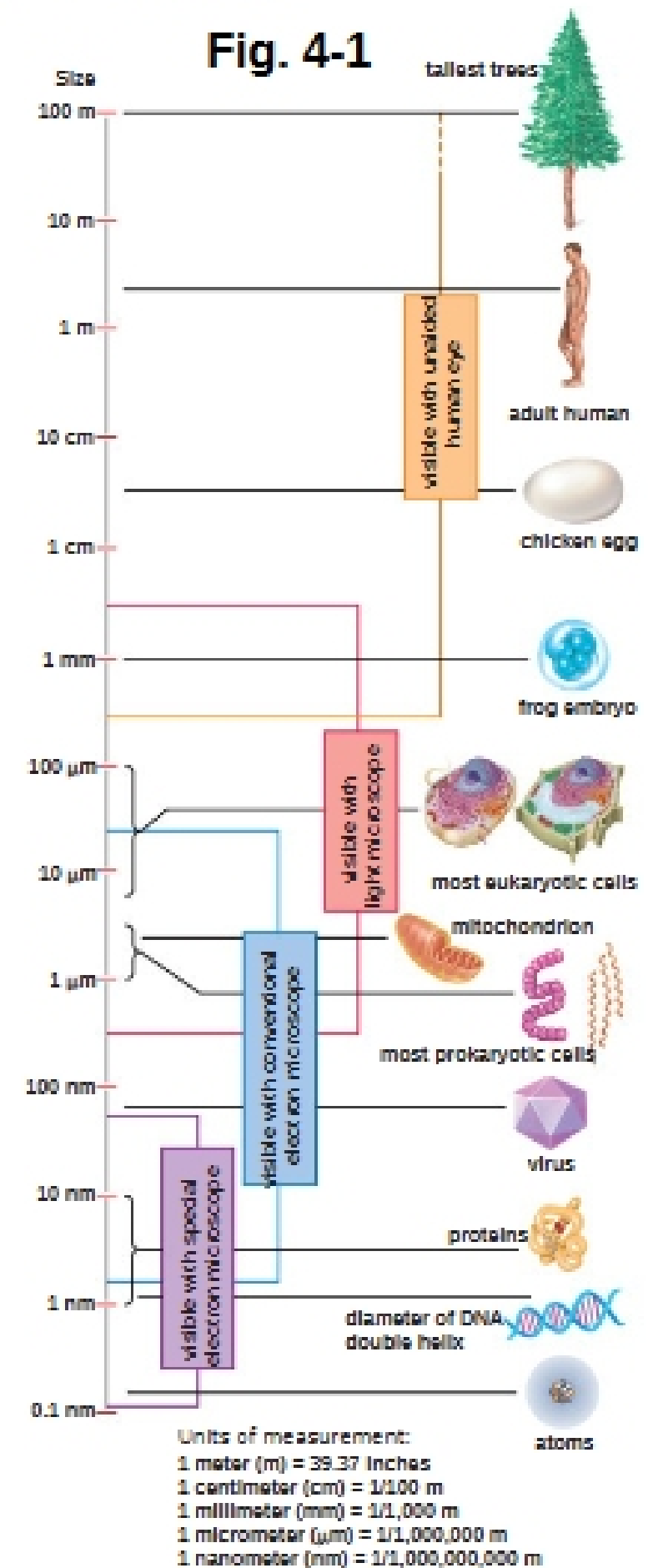


4.1 What Is the Cell Theory?

- Three principles comprise the **cell theory**
 1. Every *living* organism is made of one or more cells
 2. The smallest organisms are single cells
 3. All cells arise from pre-existing cells

4.2 What Are the Basic Attributes of Cells?

- Cell function limits cell size
 - Most cells range in size from 1 to 100 micrometers wide
 - Cells need to exchange nutrients and wastes with the environment
 - No part of the cell can be too far away from the external environment



[Size comparison...CLICK ME!](#)