

A detailed 3D cutaway diagram of an animal cell. The cell is roughly spherical with a textured, light blue outer boundary. Inside, various organelles are visible: a large, central, blue, folded structure representing the mitochondrion; a large, purple, irregularly shaped nucleus; a smaller, red, spherical nucleolus; a large, blue, multi-lobed structure representing the rough endoplasmic reticulum; a large, green, multi-lobed structure representing the smooth endoplasmic reticulum; and several smaller, orange, bean-shaped structures representing lysosomes or peroxisomes. Numerous small, pink, spherical particles are scattered throughout the cytoplasm. Arrows point from various organelles to red rectangular boxes for labeling: the cell membrane, mitochondrion, nucleus, nucleolus, rough endoplasmic reticulum, smooth endoplasmic reticulum, and a lysosome. A small cartoon character is visible in the bottom left corner.

