

cell 4 (schematic): *A* plant, *B* animal: 1 cell wall, 2 middle lamella, 3 plasma membrane, 4 mitochondrion, 5 Golgi apparatus, 6 vacuole, 7 cytoplasm, 8 nuclear membrane, 9 nucleolus, 10 nucleus, 11 chromatin, 12 endoplasmic reticulum with associated ribosomes, 13 chloroplast, 14 centriole, 15 lysosome