

A comparison and contrast of: **Animal Cells vs Plant cells.**

5 points per column and 1 comment. (16 marks)

Animal

Plant

<ul style="list-style-type: none"> • Larger golgi • Fewer golgi • No tonoplasts • No plasmodesmata • No plastids • No cell wall • <i>Mostly mobile</i> • <i>Smaller vacuoles</i> • <i>+ centrioles</i> • <i>+/- cilia or flagella</i> • <i>NO chlorophyll</i> • <i>During mitosis there is a cleavage furrow and cleavage occurs.</i> • <i>Lysosomes</i> • <i>Basal bodies</i> • <i>Can't make all its own food</i> 	<ul style="list-style-type: none"> • cytoskeleton • vesicles • membranes • smooth E.R. • rough E.R. • eukaryotic • multicellular • ribosomes • nuclear envel. • Mitochondria • Vacuoles • Need O₂ • Golgi apparatus • Cytoplasm • Chromosomes • Nucleolus • Microfilaments & microtubules 	<ul style="list-style-type: none"> • pores between cells join the cells to one another. • Cell wall • Cellulose • Vacuole large • Plastids • Photosynthesis • Chlorophyll • No centriole • Starch grains • No cilia or flagella • + Mitotic spindle • during mitosis: no cleavage furrow, has cell plate. • Some have male gametes with flagella or cilia
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Comment(s): **Although both cells undergo mitosis, they split differently. Also, both cells have vacuoles, but animal cells have SMALLER ones.**