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ACROSS

- 1 cellular site for detoxification
- 3 contains DNA and nucleolus
- 9 stores pigments and maintains turgor
- 10 protein that is found in cilia and flagella
- 11 In density gradient centrifugation, dense heavy organelles are found near the _____ of the tube
- 12 all organisms are made of _____
- 16 coined the term 'cell'
- 19 parts of the cell
- 20 A homogenization medium contains sucrose (osmoticum) and _____
- 21 respiration organelle
- 22 cellular site for protein synthesis

- 24 insulin form when synthesized in ER
- 26 Inventor of compound microscope
- 27 structural membrane component
- 28 Optical sectioning is done using a _____
- 29 originators of cell theory

DOWN

- 1 To visualize a single atom, use the _____
- 2 How many times greater resolution is the EM compared to the human eye?
- 4 photosynthesis organelle
- 5 fiber responsible for cell shape
- 6 The chamber of the EM must be kept

- under _____
- 7 method to isolate organelles from cell
- 8 compound microscopes have _____ lenses
- 13 the minimum distance that two objects can be seen as separate
- 14 The 'bumps' seen in a freeze fracture image of a membrane are made of _____
- 15 organelle responsible for color in flower petals
- 17 lenses in the EM
- 18 How one cell type is distinguished from another
- 23 fibrous component of cell wall
- 25 cellular site for protein processing

Solution:

