**Text Comparison Matrix**

**Concept/subject: Organelles**

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| --- | --- | --- | --- |
| Organelles | Cell Found: Euk (Ani or Plant), Pro or All | Shape | Function(s) |
| Nucleus | Eukaryote: Animal and Plant | Big circle | Control center; the brain |
| Plasma Membrane | All | Phospholipid bilayer | Regulates transportation within the cell |
| Cell Wall | Plant or Prokaryote | Thin layer around outer of the cell | Support and protect cell |
| Mitochondria | Plant and Animal | Round; folded membranes | Powerhouse of cell; provide energy |
| Vacuole | Plant and Animal | Plant: one large; rectangularAnimal: multiple small; circular | Clean and store the body: food, water, and waste |
| Chloroplast | Plant | Oval with round discs | Convert sunlight into food |
| Ribosomes | All | Small dotted organelles | Build proteins |

Summary: (discuss similarities and differences)