Cell Parts Quiz 1

1. What is the difference between a prokaryotic cell and a eukaryotic cell?
   1. A prokaryotic cell has a nucleus and a eukaryotic does not
   2. A eukaryotic cell has a nucleus and a prokaryotic does not.
   3. A eukaryotic cell is living and a prokaryotic is not
   4. A prokaryotic cell is living and a eukaryotic is not
   5. Both are the same there is no difference
2. What parts do ALL cells have, whether it is prokaryotic, eukaryotic, animal, or plant cell.

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Match the function with the part of the cell.

1. Cell membrane
2. Cytoskeleton
3. Cytoplasm
4. Nucleus
5. DNA
6. organelles
7. Mitochondrion
8. \_\_\_\_\_\_ instructions for cell functions
9. \_\_\_\_\_\_ allows things to pass through

it, into and out of the cell

1. \_\_\_\_\_\_ fills the space of the cell, all organelles

are suspended in this part

1. \_\_\_\_\_\_ specialized parts that perform a specific function
2. Why are these functions and parts in ALL cells?

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1. Which statement is true?
   1. Atoms and molecules are made of cells.
   2. Cells are made of atoms and molecules.
   3. Cell, atoms, and molecules are all the exact same size, and one does not ever make up the other.

Pick 2 nutrients from the list below, what purpose do they serve in the cell?

Lipids Carbohydrates Proteins Nucleic Acid

1. Nutrient: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Purpose/ Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Nutrient: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Purpose/ Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_