**CELL PARTS AND FUNCTION**

1. Modern Cell Theory is based on 3 key concepts. List them

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1. Define the following:
   1. Unicellular:
   2. Multi-cellular:
2. Please describe the SIMILARITIES between prokaryotes and eukaryotes.

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| PROKARYOTES | EUKARYOTES |
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1. Please describe the DIFFERENCES between prokaryotes and eukaryotes.

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| PROKARYOTES | EUKARYOTES |
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1. Define the following:
   1. Cytoplasm
   2. Cytoskeleton
   3. Ribosomes
   4. Nucleus
   5. Endoplasmic Reticulum
      1. Rough ER
      2. Smooth ER
   6. Golgi Apparatus
   7. Mitochondria
   8. Chloroplast
   9. Cell membrane
2. Briefly describe the route a protein would take to work its way out of a cell.