

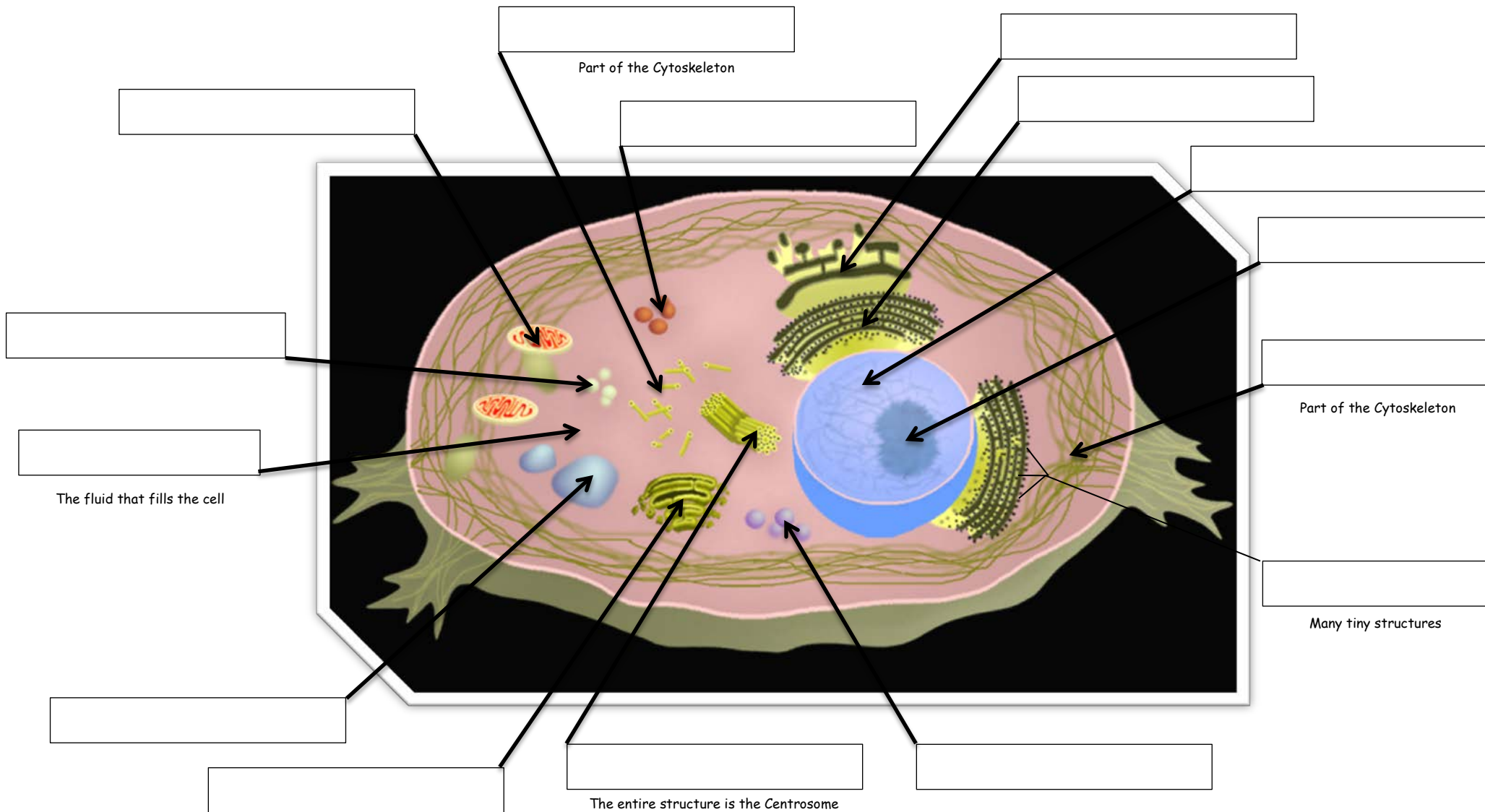
Interactive Cell Model

Choose Animal Cell

For an extra challenge:

Try the JIGSAW and WORD puzzles at
<http://www.cellsalive.com/puzzles/index.htm>

Part 1: Label the Organelles



Part 2: Match the Organelles to their function

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|------------------------------------|--|
| _____ Nucleus | A. Protects the cell from toxic hydrogen peroxide. |
| _____ Nucleolus | B. Contains enzymes needed to digest bacteria. |
| _____ Cytosol | C. Stacks of vesicles that package molecules for transportation. |
| _____ Centrosome | D. Smooth walled network of vesicles and tubules. |
| _____ Centriole | E. Contains ribosomes and transports proteins. |
| _____ Golgi Apparatus | F. Organized network of filaments that help the cell keep its shape. |
| _____ Lysosome | G. Double membrane which contains DNA. |
| _____ Peroxisome | H. Double layer that encloses the cell. |
| _____ Secretory vesicle | I. The sites of protein synthesis. |
| _____ Cell Membrane | J. Mostly water and proteins. The liquid part of the cytoplasm. |
| _____ Mitochondria | K. The power centers of the cell. |
| _____ Vacuole | L. Group of microtubules found within the centrosome. |
| _____ Smooth Endoplasmic Reticulum | M. Membrane sac used to release waste products. |
| _____ Rough Endoplasmic Reticulum | N. Found within the nucleus. Produces ribosomes. |
| _____ Ribosomes | O. Package and transport cell secretions such as enzymes, etc. |
| _____ Cytoskeleton | P. The area where microtubules are produced. |