

Cell Transport Worksheet

1. A cell was poisoned by a substance that destroyed all of its mitochondria. Circle all of the cell transport processes listed that would still be able to continue.
- a. Osmosis
 - b. Diffusion
 - c. Active transport
 - d. Exocytosis

1. Centrioles are only found in animal cells. Their function is to form the spindle fibers during cell division.

2. On the diagram of the cell membrane: Label the following:

- a. Phospho- head
- b. Fatty acid tail
- c. Phospholipid molecule
- d. Cholesterol
- e. Integral protein
- f. Peripheral protein
- g. Carbohydrate chain
- h. Cytoplasm
- i. Extracellular fluid
- j. Cytoskeleton

The diagram shows a cross-section of a cell membrane. On the left, there is a list of labels: Cytoskeleton, Carbohydrate chain, Cytoplasm, and Extracellular fluid. On the right, there is a list of labels: g. Carbohydrate chain, h. Cytoplasm, i. Extracellular fluid, and j. Cytoskeleton. The diagram itself shows a phospholipid bilayer with phospholipid molecules, cholesterol molecules, integral proteins, and peripheral proteins. There are also carbohydrate chains attached to some proteins. The cytoplasm is on the left and the extracellular fluid is on the right. There are several empty boxes for labeling: one on the left side of the membrane, one on the right side, and one in the center of the membrane.