

Cell Transport Mechanisms

Biology

The following terms all describe processes by which cells can move materials in and out of the cell membrane:

Diffusion

Osmosis

Endocytosis

Exocytosis

Active transport pumps

Using internet resources*, work individually to answer the following questions.

WRITE your answers on a clean sheet of paper (do NOT type your answers and e-mail them).

1. Which of the above processes require energy input from the cell?
2. In one or two sentences, describe how each of these processes work.
3. Explain the main differences between osmosis and diffusion
4. In one or two sentences, explain why (in your opinion) cells need so many different ways to move things in and out

*Wikipedia has excellent descriptions of osmosis, endocytosis, and active transport pumps. Try using Google to find other resources for diffusion and exocytosis