

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

Using internet resources, work individually to answer the following questions. Work in Google Docs and submit your work through Showbie when complete.

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. Describe the main difference between active transport and endo-/exocytosis.
5. In one or two sentences, explain why (in your opinion) cells need so many different ways to move things in and out.