Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Partner’s Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cell Transport – What we have here is a failure to transport?

For over a week we’ve discussed the biological concept of cell transport. In our examples, we’ve talked about mechanisms a cell uses to help move molecules across a membrane.

This project shows the mechanisms of effective cell transport plus a time when transport cannot be completed as it should.

Previous knowledge questions:

1. What is the purpose for cell transport?
2. Describe the components of the cell’s membrane and how the components help the cell transport materials.

|  |  |  |
| --- | --- | --- |
| Component | Structure | Purpose |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Differentiate between passive and active transport. Provide one supporting example for each.

|  |  |  |
| --- | --- | --- |
|  | Passive | Active |
| Molecule movement |  |  |
| Examples |  |  |
| Energy |  |  |

Research: Cystic fibrosis

1. What is this disease? (What happens to an individual with this disease?)
2. How do you get cystic fibrosis? (Viral, bacterial, genetic, inherited…)
3. What is a day like for a person with cystic fibrosis? (Typical routine, medicine, symptoms)
4. How is cell transport affected by this disease? (Issues, particular components that malfunction)
5. Discuss the treatments that are available to assist a person with cystic fibrosis. (Medicine, rehabilitation)

Assessment:

Using the information from the previous knowledge and research sections, create a mini-poster to illustrate and summarize your findings.

Show the good and bad of cell transport with your mini-poster.