1. What is the part of the neuron that sends an electrical signal?

DO NOW: Action Potential

1. What is the part of the neuron that sends a chemical signal?
2. What is the synapse?
3. Does the electrical signal “listen” to the chemical signal? Does the chemical signal “listen” to the electrical signal? Do they both “listen” to each other? Do they not “listen” to each other? Why?
4. Describe why you get shocked when you scuff your feet on the carpet and touch a door handle.
5. How is this similar to how a cell sends an electrical signal?
6. What are the major ions involved in an electrical signal? What are their charges?
7. How do these ions get in and out of the cell?
8. Describe how a cell sends an electrical signal. Use detail.