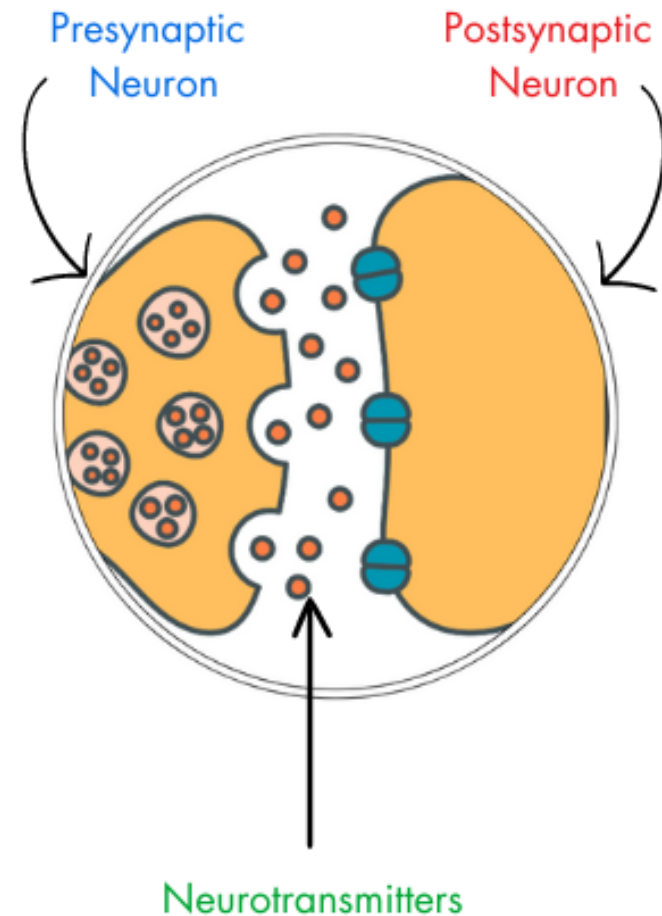
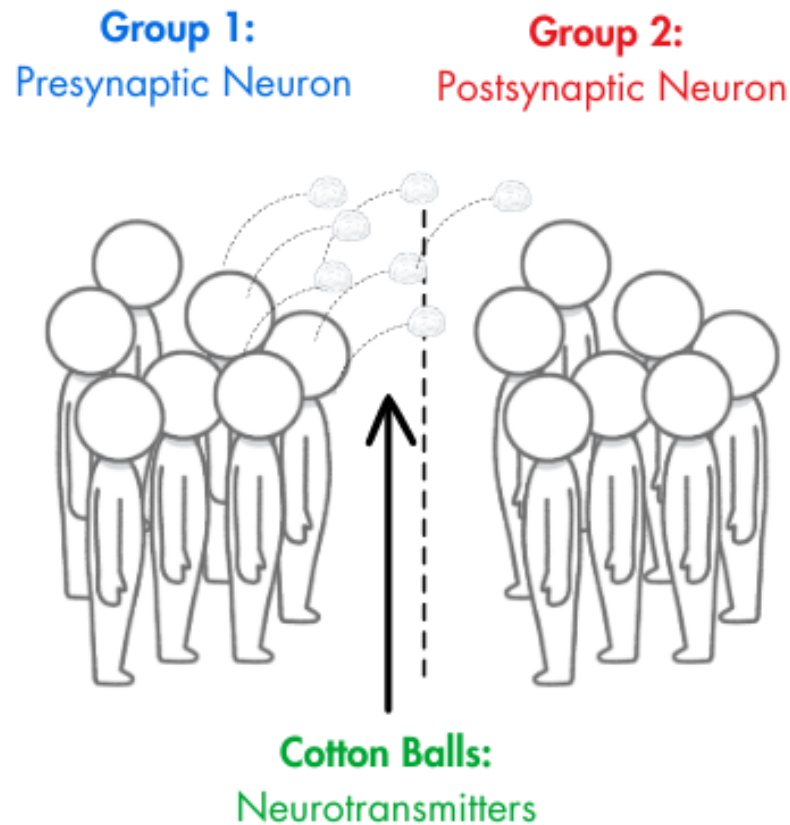


Chemical Signaling

This activity demonstrates chemical signaling, where neurotransmitters pass between neurons. The cotton balls represent the neurotransmitters, and group 1 and 2 represent the neurons.





30 seconds

Round 1

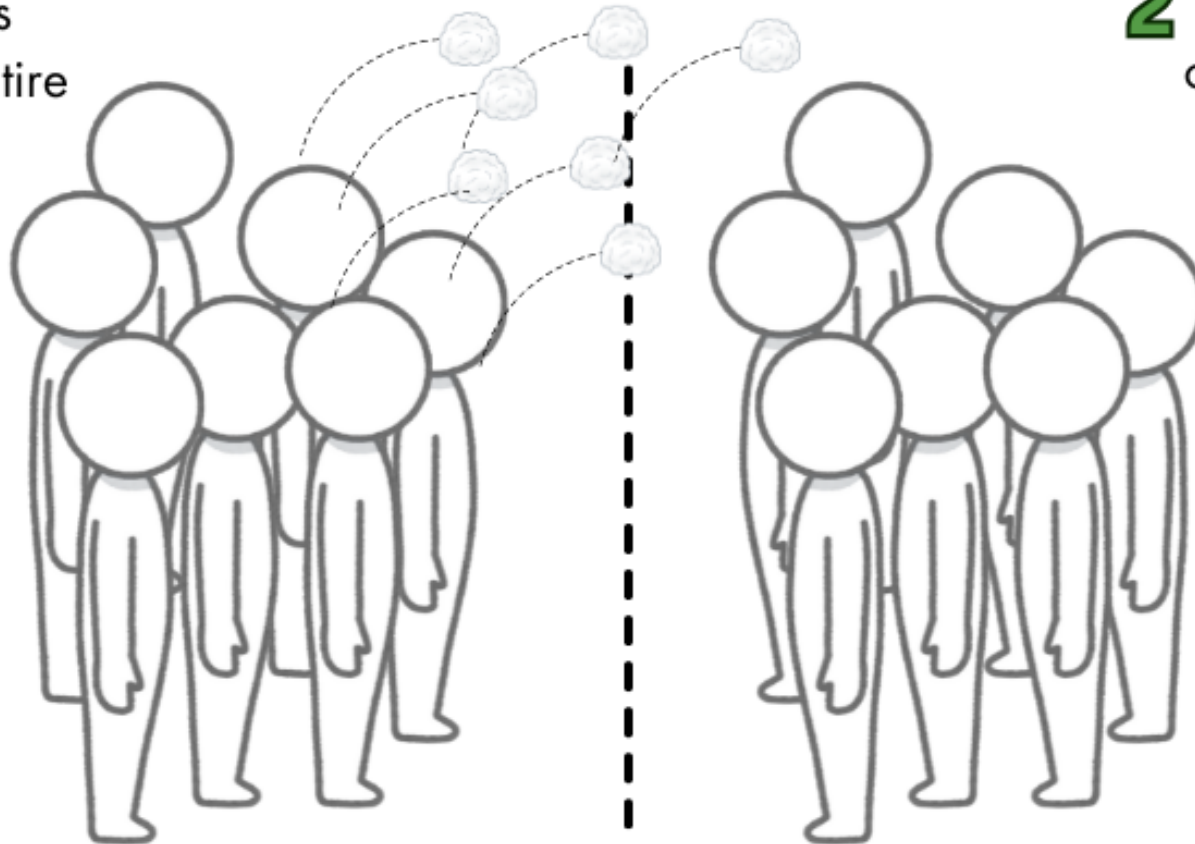


Record cotton balls collected.

Group 1:
Presynaptic Neuron

Group 2:
Postsynaptic Neuron

1 Group 1 throws cotton balls for entire 30 seconds



2 Half of group 2 can catch cotton balls with **non-dominant hand**

3 Can place in trash can located about 10 feet away





30 seconds

Round 2

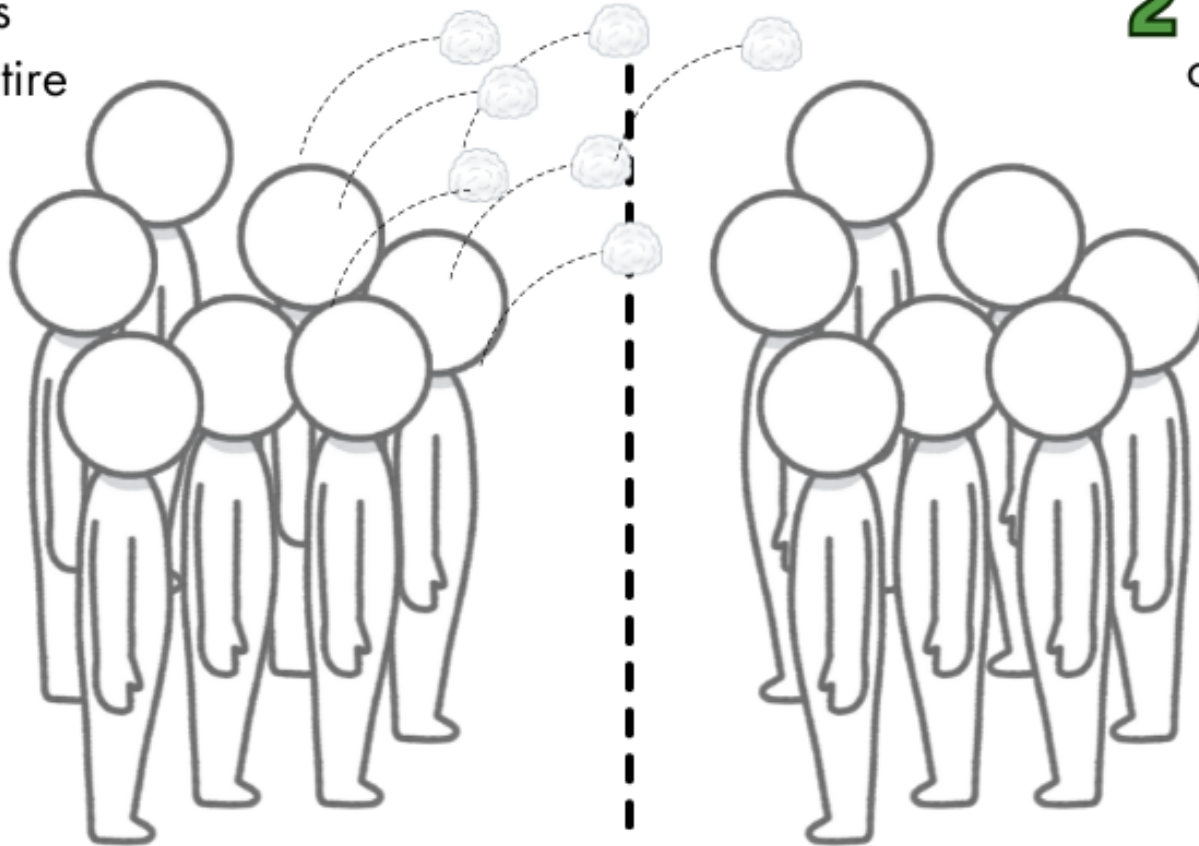


Record cotton balls collected.

Group 1:
Presynaptic Neuron

Group 2:
Postsynaptic Neuron

1 Group 1 throws cotton balls for entire 30 seconds



2 Half of group 2 can catch cotton balls with their **dominant hand**

3 Can place in trash can located about 5 feet away





30 seconds

Round 3

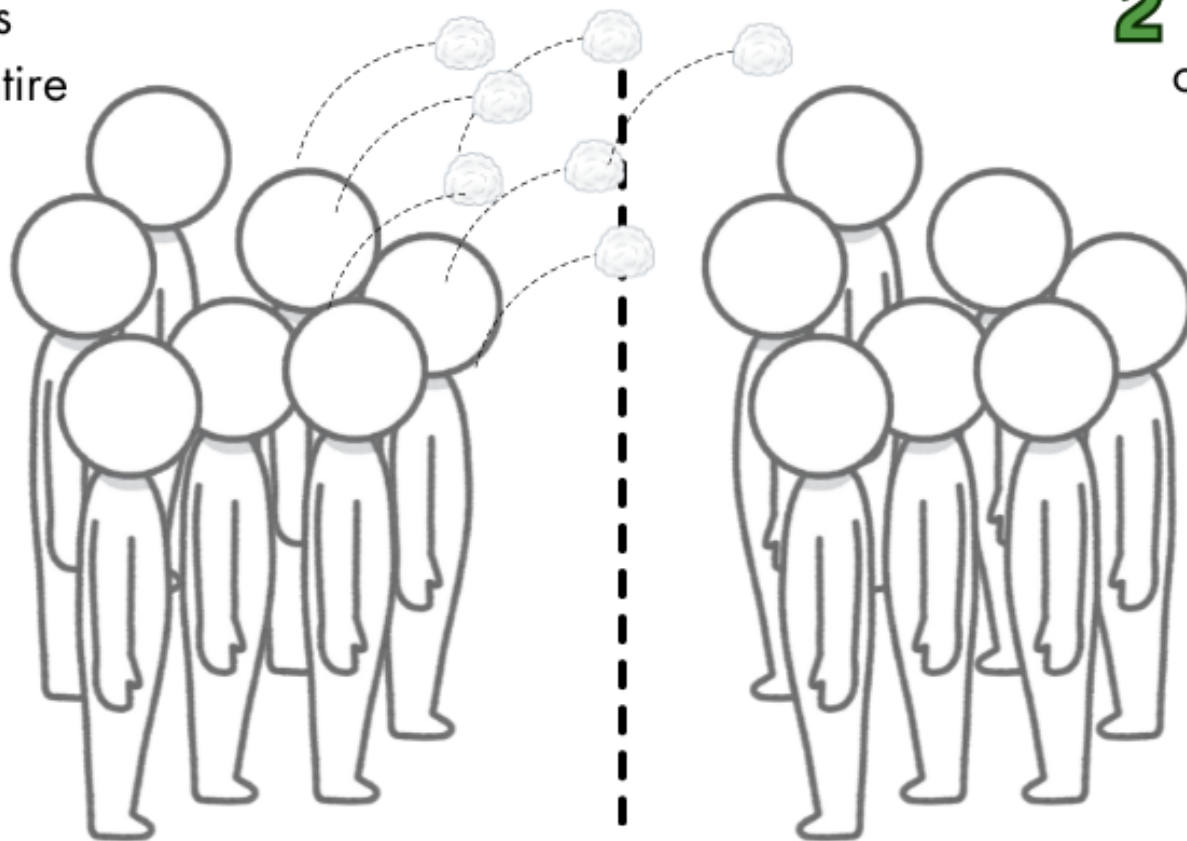


Record cotton balls collected.

Group 1:
Presynaptic Neuron

Group 2:
Postsynaptic Neuron

1 Group 1 throws cotton balls for entire 30 seconds



2 All of group 2 can catch cotton balls with their **dominant hand**

3 Can place in trash can located about 2 feet away





30 seconds

Round 4

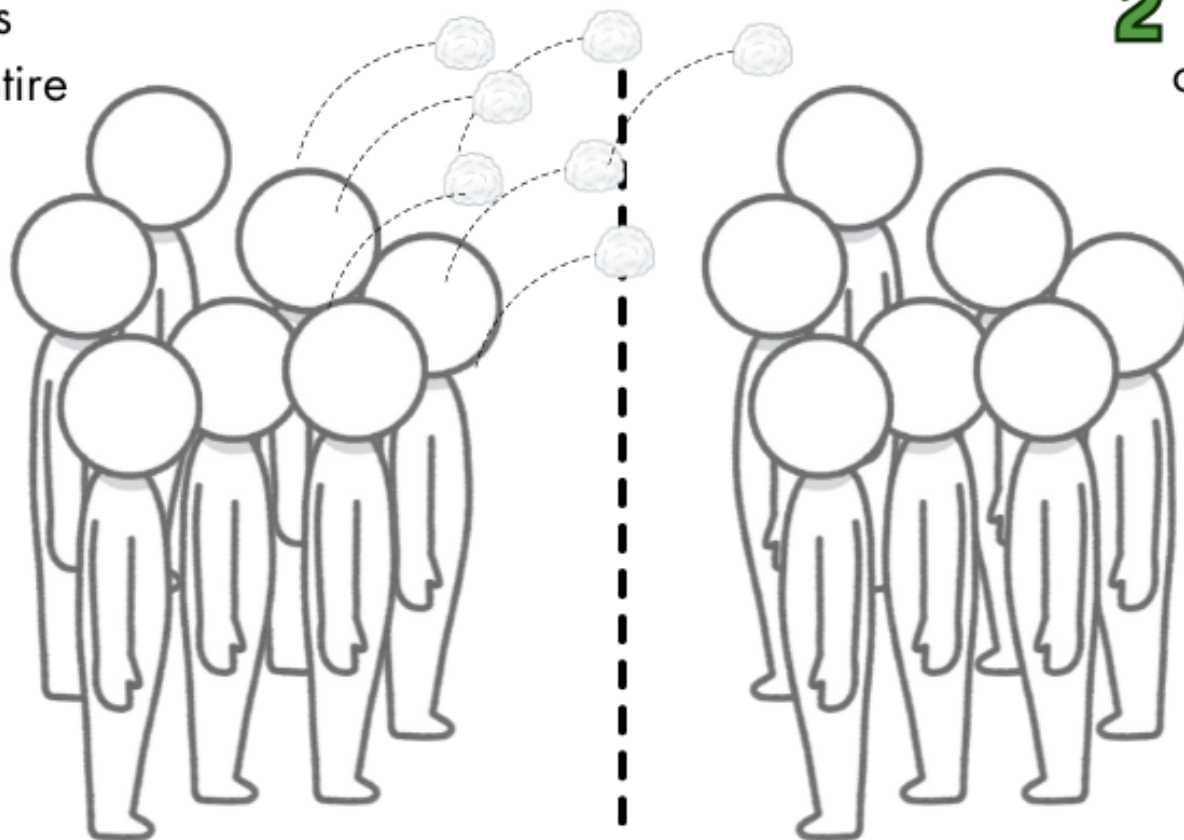


Record cotton balls collected.

Group 1:
Presynaptic Neuron

Group 2:
Postsynaptic Neuron

1 Group 1 throws cotton balls for entire 30 seconds



2 All of group 2 can catch cotton balls with **both hands**

3 Can place in trash can located about 10 feet away

