







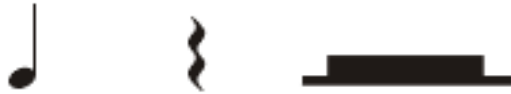




































Sodium Neuron Dance

Drums	1 	2 
Triangles	1 	2 
Tambourine	1 	2 
Bell	1 	2 
Gong	1 	2 
Dancers	1 NT Balls tossed to cell body	2 Cell body opens 1 sodium channel
Speakers	1 	2 
Chorus	1 	2 

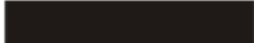













Sodium Neuron Dance

Drums	3 	4 
Triangles	3 	4 
Tambourine	3 	4 
Bell	3 	4 
Gong	3 	4 
Dancers	3 2nd NT ball tossed to cell body Na ⁺ 1 walks through channel and waits at cell body	4 Cell body opens 2nd sodium channel
Speakers	3 	4 
Chorus	3 	4 














Sodium Neuron Dance

Drums	5 	6 
Triangles	5 	6 
Tambourine	5 	6 
Bell	5 	6 
Gong	5 	6 
Dancers	5 Na ⁺ 2 walks through channel and waits at cell body	6 
Speakers	5 	6 
Chorus	5 	6 














Sodium Neuron Dance

Drums	7 	8 
Triangles	7 	8 
Tambourine	7 	8 
Bell	7 	8 
Gong	7 	8 
Dancers	7 	8 
Speakers	7 Neurotransmitters have hit receptors on the dendrites of this neuron and now the cell body is getting excited	8 8
Chorus	7 	8 





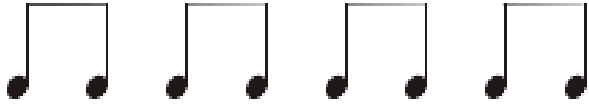
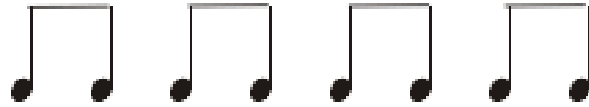







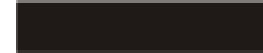
Sodium Neuron Dance

Drums	9 	10 
Triangles	9 	10 
Tambourine	9 	10 
Bell	9 	10 
Gong	9 	10 
Dancers	9 Na 1 & 2 move to the 1st Na channel on the axon and open it	10 Na 1 & 2 walk out of cell body through the channel they entered, closing the channel behind them
Speakers	9 	10 The sodium ions open the door
Chorus	9 	10 














Sodium Neuron Dance

Drums	<p>1 1</p> 	<p>1 2</p> 
Triangles	<p>1 1</p> 	<p>1 2</p> 
Tambourine	<p>1 1</p> 	<p>1 2</p> 
Bell	<p>1 1</p> 	<p>1 2</p> 
Gong	<p>1 1</p> 	<p>1 2</p> 
Dancers	<p>1 1 Na 3 enters the 1st Na channel on the axon and goes to the 2nd Na channel</p> <p>1 1</p> 	<p>1 2 Na 3 opens the 2nd Na channel Na 4 enters the 2nd channel and goes to the 3rd channel</p> <p>1 2</p> <p>The Action Potential wears sodium skates</p>
Chorus	<p>1 1</p>  <p>five six seven eight</p>	<p>1 2</p> 

Sodium Neuron Dance

Drums	<p>13</p> 	<p>14</p> 
Triangles	<p>13</p> 	<p>14</p> 
Tambourine	<p>13</p> 	<p>14</p> 
Bell	<p>13</p> 	<p>14</p> 
Gong	<p>13</p> 	<p>14</p> 
Dancers	<p>13</p> <p>Na 3 leaves through the 1st channel, closing the channel behind them</p> <p>Na 4 opens the 3rd Na channel</p> <p>Na 5 enters the 3rd channel</p>	<p>14</p> <p>Na 4 leaves through the 2nd channel, closing the channel behind them</p> <p>Na 5 touches Axon terminal 2, and then leaves through the 3rd channel, closing the channel behind them.</p> <p>Axon terminal 2 tosses a 1/2 ball to cell body 2 who catches it.</p>
Speakers	<p>13</p> 	<p>14</p> 
Chorus	<p>13</p> 	<p>14</p> 

Sodium Neuron Dance

Drums	15 	16 
Triangles	15 	16 
Tambourine	15 	16 
Bell	15 	16 
Gong	15 	16 
Dancers	15 	16 
Speakers	15 	16 But the neurotransmitters make it all start again
Chorus	15 This Action Potential has reached its end	16 