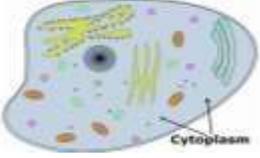
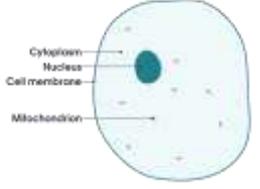
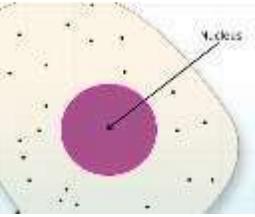
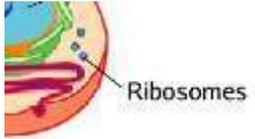
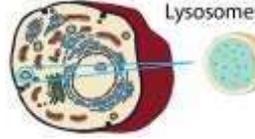


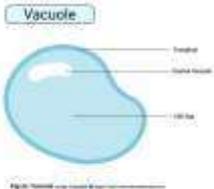
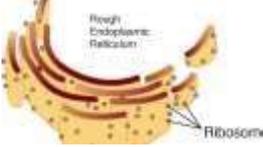
Build Your Own Animal Cell!

Directions: First, watch the lesson for details on what to do for this activity. Once you have watched the video, gather all your supplies. We have provided you with options for materials you can use in the tables below. You do not have to use all the options. Only choose one of the examples provided and then write it in the last column titled "What I Used." When you have completed the chart and gathered all of your materials, use a pencil to label where you would like all of the cell parts to go. Once you have verified that all organelles are placed correctly, carefully glue or tape each cell part.

Materials for the **animal** cell:

Organelle	Material Description	Examples of What You Can Use (you should only pick one of these options)	Amount	Image	What I Used (use these boxes to write down what materials you are using for the model)
 <p>Cytoplasm</p>	Flat base (8 in. x 8 in. or bigger)	Cardboard, blank sheet, or cardstock	1		
 <p>Cell membrane</p>	String-like material that will contrast against the "cytoplasm"	Yarn, thick string, shoe lace, or lanyard	Enough to line the perimeter of the "cytoplasm"		

 <p>Nucleus</p>	<p>Round object (preferably a dark color like purple or indigo, 2-3 inch diameter)</p>	<p>Bouncy ball, cutout circle, or play-doh</p>	<p>1</p>		
 <p>Mitochondria</p>	<p>Pink rectangular shapes (1 in)</p>	<p>Pink eraser, starburst, or play-doh</p>	<p>2-3</p>		
 <p>Ribosomes</p>	<p>Red circular shapes (1-2 cm)</p>	<p>Small buttons, skittles, M&Ms, cutout circles, or play-doh</p>	<p>10-15</p>		
 <p>Lysosome</p>	<p>Yellow circular shapes (1-2 cm)</p>	<p>Small buttons, skittles, M&Ms, cutout circles, or play-doh</p>	<p>3-4</p>		

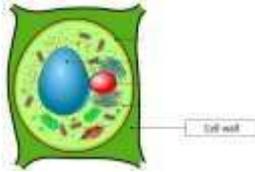
<p>Vacuole</p> 	<p>Blue circular shapes (1-2 cm)</p>	<p>Small buttons, M&Ms, cutout circles, or play-doh</p>	<p>5-6</p>		
<p>Smooth ER</p> 	<p>Cylindrical shapes that can stand up (1 in. tall)</p>	<p>Cut up straws, sour punch straws, or thin plastic tubes</p>	<p>6-7</p>		
<p>Rough ER</p> 	<p>String-like material that will contrast against the "cytoplasm"</p>	<p>Sour gummy worms, airheads Xtremes, or nerds rope</p>	<p>3-4 ft</p>		
<p>Golgi Body</p> 	<p>String-like material that will contrast against the "cytoplasm"</p>	<p>Yarn, thick string, shoe lace, or lanyard</p>	<p>1 ft</p>		

Build Your Own Plant Cell!

Directions: First, watch the lesson for details on what to do for this activity. Once you have watched the video, gather all your supplies. We have provided you with options for materials you can use in the tables below. You do not have to use all the options. Only choose one of the examples provided and then write it in the last column titled "What I Used." When you have completed the chart and gathered all of your materials, use a pencil to label where you would like all of the cell parts to go. Once you have verified that all organelles are placed correctly, carefully glue or tape each cell part.

***The materials needed to construct the plant cell model include all the materials in the table for the animal cell in addition to the materials listed below.*

***Note: the vacuole for the plant cell is different from the vacuole for the animal cell.*

Organelle	Material Description	Examples of What You Can Use (you should only pick one of these options)	Amount	Image	What I Used (use these boxes to write down what materials you are using for the model)
 <p>Cell wall</p>	Sturdy material that will contrast against the "cytoplasm"	Straws, uncooked spaghetti, pencils, or popsicle sticks	Enough to line the perimeter of the "cytoplasm"		
 <p>Vacuole</p>	Round blue shape (4-5 in diameter)	Play-doh, cut out, airheads candy, or taffy	1		
 <p>Chloroplast</p>	Green rectangular shapes (1 in)	Leaf, cutout shape, or play-doh	3-4		