

## ACTIVE TRANSPORT

### 1. Sequence the correct order of action of sodium potassium pump:

Read the information on the right side and Drag and drop the images accordingly.

	three sodium ions ( $\text{Na}^+$ ) bind to the sodium potassium pump
	<ul style="list-style-type: none"> <li>ATP attaches to the ATP binding site of the pump and ATP breaks down into ADP</li> </ul>
	<ul style="list-style-type: none"> <li>the pump changes shape, allowing sodium ions (<math>\text{Na}^+</math>) to move <u>outside</u> the cell.</li> </ul>
	<ul style="list-style-type: none"> <li>two potassium ions (<math>\text{K}^+</math>) from outside the cell bind to the exposed sites on the pump.</li> </ul>
	<ul style="list-style-type: none"> <li>the phosphate group is released which causes the pump to return to its original shape</li> </ul>
	<ul style="list-style-type: none"> <li>potassium ions (<math>\text{K}^+</math>) move <u>into</u> the cell</li> </ul>



