

## Positive and Negative Impacts of Automation Answers

Automation is impacting...	Positives	Negative
<b>Society</b>	<ul style="list-style-type: none"><li>• production rates increase</li><li>• materials used efficiently</li><li>• less human errors</li><li>• safer</li><li>• could create jobs in robotics and artificial intelligence</li><li>• specialized equipment (i.e., motorized wheelchair)</li></ul>	<ul style="list-style-type: none"><li>• loss of jobs</li><li>• less contact with other people in our everyday lives</li></ul>
<b>Economics</b>	<ul style="list-style-type: none"><li>• less cost to produce items for larger corporations</li><li>• can run with virtually no assistance</li></ul>	<ul style="list-style-type: none"><li>• difficult for small or local businesses to remain competitive</li><li>• initial costs are very expensive</li><li>• repairs can be costly and unpredictable</li></ul>
<b>The environment</b>	<ul style="list-style-type: none"><li>• robots in mining mean less waste</li><li>• development of automatic energy (heating and cooling) will lessen energy consumption</li></ul>	<ul style="list-style-type: none"><li>• lack of planning can increase emissions</li><li>• some machines need specific gases or chemicals to run</li></ul>