

## Cycle 1 – First Law

Think about the following objects and think how they would behave in the following places.

\*The ambiguity in how you can answer is intentional. That's why there's a "Why?" section!

Object	Moon (no air, less gravity)	ISS (air, Zero-G)	Why?
Stapler	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	
Hourglass	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	
Pen	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	
Bathroom Scale	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	
Coffee Maker	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	
Piano	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Work Differently</li> <li>- Doesn't work</li> </ul>	
Yo-yo	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	<ul style="list-style-type: none"> <li>- Works Fine</li> <li>- Works Differently</li> <li>- Doesn't work</li> </ul>	

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