

## *Newton's First Law*

Unscramble each physics term. Then use the numbered letters to solve the second puzzle, another name for the first of Newton's three laws of motion.

AIVRYTG	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">5</p>	
EINKTCI REGENY	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">13 9</p>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
RNTEAI	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">11 14</p>	
TFRIICON	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">6</p>	
LCIEAROATENC	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">4</p>	
RIENTTCPALE CFERO	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">8</p>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
LCIYETVO	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">10 12</p>	
EMMUTONM	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">3</p>	
PITTALOEN GNYREE	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">1</p>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>
OSTP HEHGTI	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">2</p>	
G-SECRFO	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">7</p>	

1	2	3	4	5	6	7	8	9	10	11	12	13	14		

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### **ANSWER KEY**

AIVRYTG	GRAVITY 5
EINKTCI REGENY	KINETIC ENERGY 13 9
RNTEAII	INERTIA 11 14
TFRIICON	FRICTION 6
LCIEAROATENC	ACCELERATION 4
RIENTTCPALE CFERO	CENTRIPETAL FORCE 8
LCIYETVO	VELOCITY 10 12
EMMUTONM	MOMENTUM 3
PITTALOEN GNYREE	POTENTIAL ENERGY 1
OSTP HEHGTI	STOP HEIGHT 2
G-SECRFO	G-FORCES 7
THE LAW OF INERTIA 1 2 3 4 5 6 7 8 9 10 11 12 13 14	