

# Forces

<sup>1</sup> F	R	I	<sup>2</sup> C	T	I	O	N			<sup>3</sup> P						
			O					<sup>4</sup> U		U						
<sup>5</sup> R			<sup>6</sup> N	E	W	T	O	N		L					<sup>7</sup> W	
O			T					<sup>8</sup> B	A	L	A	N	C	E	D	
L		<sup>9</sup> M	A	S	<sup>10</sup> S			A							I	
L			C		M			L							G	
I			T		O			A							H	
N		<sup>11</sup> S			O			N							T	
<sup>12</sup> G	R	A	V	I	T	Y		C								
		M			H			E			<sup>13</sup> R					
<sup>14</sup> S	P	E	E	D				<sup>15</sup> D	I	R	E	C	T	I	O	N
L											A					
I							<sup>16</sup> S	T	A	T	I	C				
D											T					
I								<sup>17</sup> L	U	B	R	I	C	A	N	T
N											O					
G											N					

## Across

1. Force opposing the movement of one surface over another.[8]
6. Unit of force.[6]
8. Stationary objects are the result of \_\_\_\_\_ forces.[8]
9. Amount of matter in an object.[4]
12. Example of a non-contact force.[7]
14. Forces can change the \_\_\_\_\_ of an object.[5]
15. Forces can change the \_\_\_\_\_ of movement of an object.[9]
16. Sitting on a chair is an example of \_\_\_\_\_ friction.[6]
17. Substance such as oil that decreases friction.[9]

## Down

2. Friction is an example of a \_\_\_\_\_ force.[7]
3. A force is a push or a \_\_\_\_\_.[4]
4. Objects in motion are the result of \_\_\_\_\_ forces.[10]
5. Type of friction that is reduced by wheels and ball bearings.[7]
7. Force of gravity.[6]
10. Friction is reduced between \_\_\_\_\_ polished surfaces.[6]
11. Mass of an object is the \_\_\_\_\_ anywhere in the universe.[4]
13. For every action, there is an equal and opposite \_\_\_\_\_.[8]
14. Writing with a pencil is an example of \_\_\_\_\_ friction.[7]