

2.1. Weight and mass

1. The table below shows some statements about the quantities ‘weight’ and ‘mass’. For each statement, decide whether it applies to weight, to mass or to both. Show your answers by putting ticks in the boxes The first example has been done for you.

<i>Statement</i>	<i>Weight</i>	<i>Mass</i>
..... <i>is a force.</i>	✓	
..... <i>is the pull of the Earth’s gravity on an object.</i>		
..... <i>has the symbol m.</i>		
..... <i>is the amount of matter something is made of.</i>		
..... <i>has a direction.</i>		
..... <i>is measured in kilograms.</i>		
..... <i>is measured in Newtons.</i>		
..... <i>can be represented by an arrow.</i>		
..... <i>decreases when an object travels out into space.</i>		

2. Most of the statements in question 1 are descriptions of weight or mass, but two are definitions of these quantities. A **definition** gives us a short but complete meaning of something. A description gives us extra information and details about something.

Write now the two definitions:

Mass is

.....

.....

Weight is

.....

.....