

Gravity



1 week



3 weeks



3 months

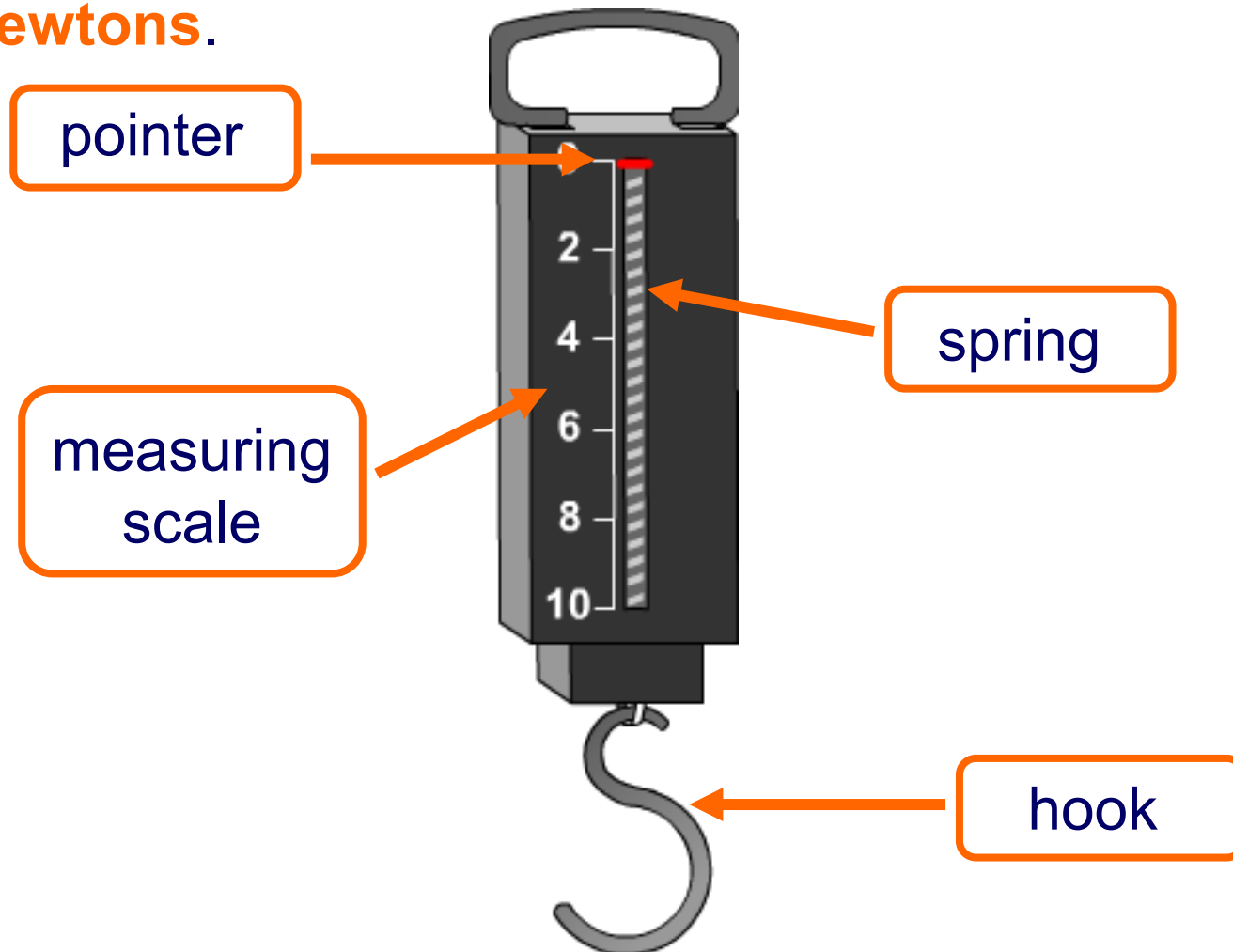


A **force** called **gravity** pulls all objects toward the center of the Earth. Just like other forces, it can cause things to change shape, direction or speed, but this pulling force also gives things weight.

In other words, an object has weight because of the Earth's gravity pulling on it.



This is a **forcemeter**. It is used to measure the size of a force, including gravity. The units for measuring force are **newtons**.



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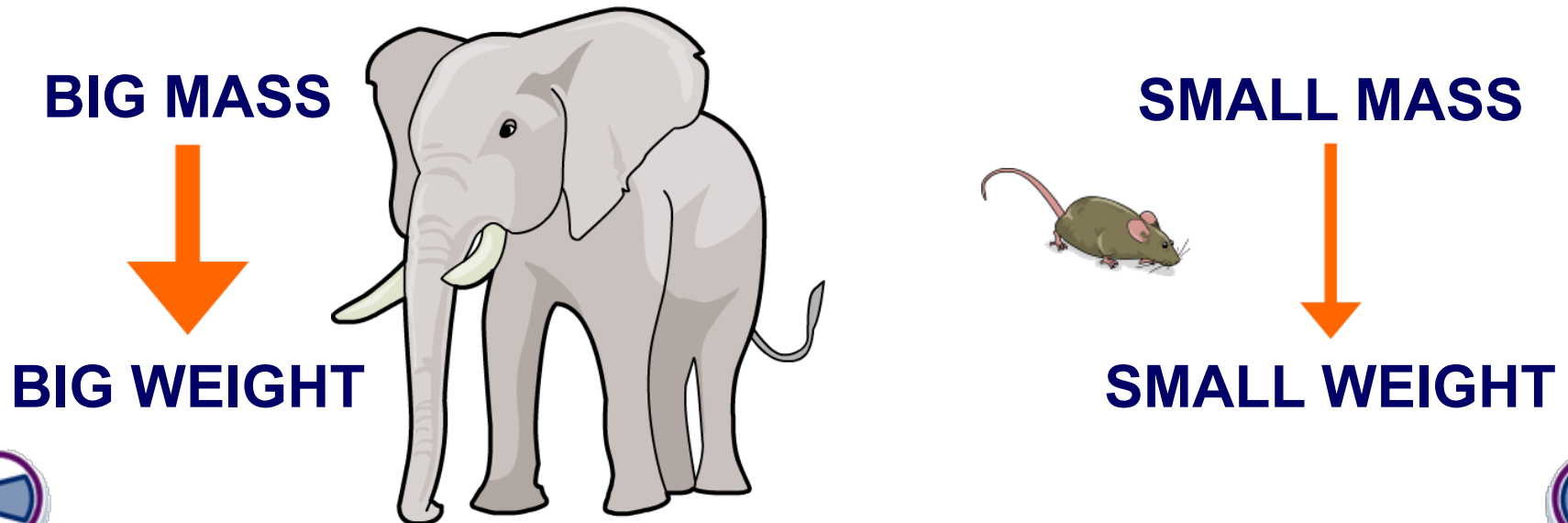


Weight is sometimes confused with mass.

Mass measures the amount of material an object contains.
The mass of an object always stays the same.

Weight measures the pull of gravity on an object.

The bigger an object's mass, the bigger the force due to gravity, and so the more it weighs!



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