

# Vocabulary



**mass** the amount of matter in an object

You have more mass than a book because you have more matter than a book has. A book has more mass than a paper clip.

**newton (N)** the unit of weight in the metric system

In the English system, weight is measured in pounds (lb.) You might say that a dog weighs 50 lbs. But in science, the correct unit is newtons. That same dog would weigh about 222 newtons.

**spring scale** a tool used to measure weight

Most spring scales measure weight in newtons, but some also show grams. Grams are really units of mass. But people sometimes use them to describe weight.

**weight** a measure of the force of gravity on an object

On Earth, objects with more mass have more weight. You have more mass than a cat. And you weigh more than a cat.