

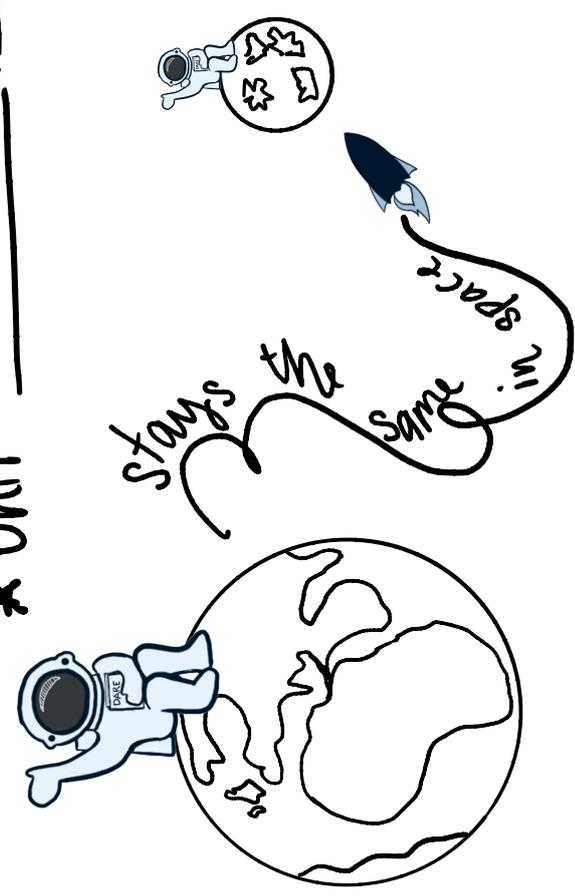
MASS

The amount of _____ in an object.

★ Matter cannot be _____ or _____

★ Measured on a _____

★ Unit: _____ (_____)



WEIGHT

The force of _____ on an object.

★ Changes in space and on other planets

★ Measured using a N _____ or s _____.

★ Unit: _____ (_____)

gravitational field strength on Earth  10 N/kg

Astronauts weigh more/less on the moon because there is more/less gravity.

Decode the formula

$$W = m \times g$$

A cat has a mass of 2 kg. What is its weight on Earth?