

RELATIVE MOTIONS (Sun, Moon and Earth)

[Click here](#) to run the “Gravity and Orbits” Smulation and answer the questions.

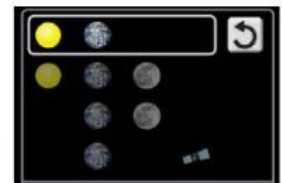


1- Choose “the Sun and the Earth” from the options bar.

a) What did you observe?

The _____ is revolving around the _____.

b) How long does it take the Earth to orbit the Sun one complete time.



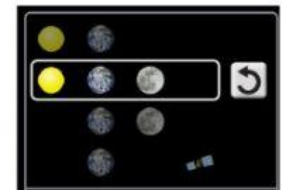
2- Choose “the Sun, the Earth and the Moon” from the options bar.

a) What did you observe?

The Moon is revolving around the _____.
The Erath is revolving around the _____.

b) How long does it take the Moon to orbit the Earth one complete time.

c) How long does it take the Moon to orbit the Sun one complete time.

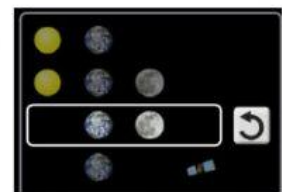


3- Choose “the Earth and the Moon” from the options bar.

a) What did you observe?

The Moon is _____ on its axis.

b) How long does it take the Moon to rotate on its axis?



4- Choose "the Moon and Sattelite" from the options bar.

a) What did you observe?

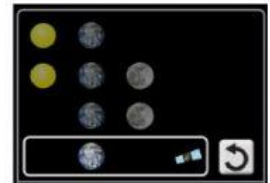
The Satellite is around the Earth.

b) What is a satellite?

c) What kind of a satellite is it?

Handmade Natural

d) What is Earth's natural satellite called?



5- What would happen, if there was no gravity between the sun, the earth and the moon? Explain briefly.

(You can turn the gravity off and observe what's happening)

