

## Interactive worksheet 23.2 grade 6

### Exercise 1

Indicate the true statements and the false ones:

- 1- The mass of the body increases when it moves from the equator to the pole.
- 2- The weight of the body is bigger on the pole than on the equator.
- 3- As the balloon moves up from earth, its weight becomes bigger.
- 4- The weight of a body varies with altitude and location.

### Exercise 2

A plane of mass 80 tons moved from the pole to the equator.

Choose the correct answer.



- 1- How will the weight of the plane vary when it is at 15 Km from the surface of the earth?

decreases

increases

will not vary

- 2- Which will be bigger the weight of the plane on pole or on equator?

pole

equator

same on both

- 3- What will be the mass of the plane

3.1- on the equator?

80 tons

more than 80 tons

less than 80 tons

3.2- At 15 Km height?

80 tons

more than 80 tons

less than 80 tons