

"Introduction to Forces" Reading Worksheet

Give two examples for each type of force:

Change the direction of an object:

1.

2.

Turn things:

1.

2.

Change the shape of something:

1.

2.

What is the definition of force?

Give a real-life example of a contact force: (friction, tension, air resistance, spring)

Give a real-life example of at-a-distance force: (gravity, electrical, magnetic)

Write three details that you learned about mass from the reading:

1.

2.

3.

Why is your WEIGHT different on the moon even though your mass is the same?

Explain why pressure is greater when force is exerted on a small area:

Definition of gravity: _____

Gravitational force increases when the masses are _____

and _____.

Gravitational force pulls objects towards the _____ of the
_____ and holds the _____ in
_____ around the sun.

Definition of balanced force:

Unbalanced forces can cause four things to happen:

1. _____
2. _____
3. _____
4. _____

Explain a time when you have experienced friction or air resistance: