

Materials changing shape



We are going to learn that forces
can **change** the shape of some
objects

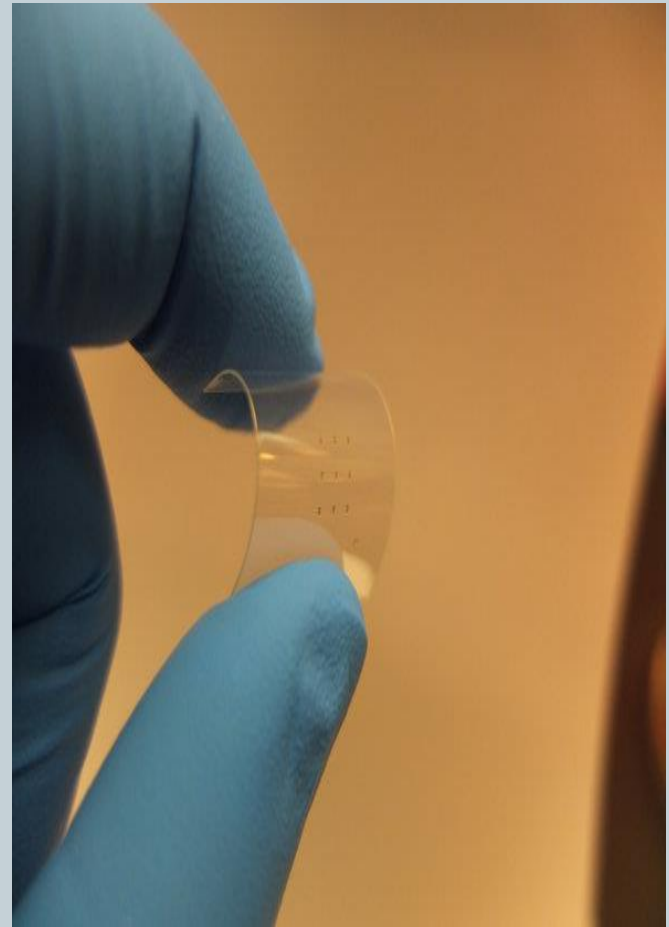
How do we change the shape of materials?



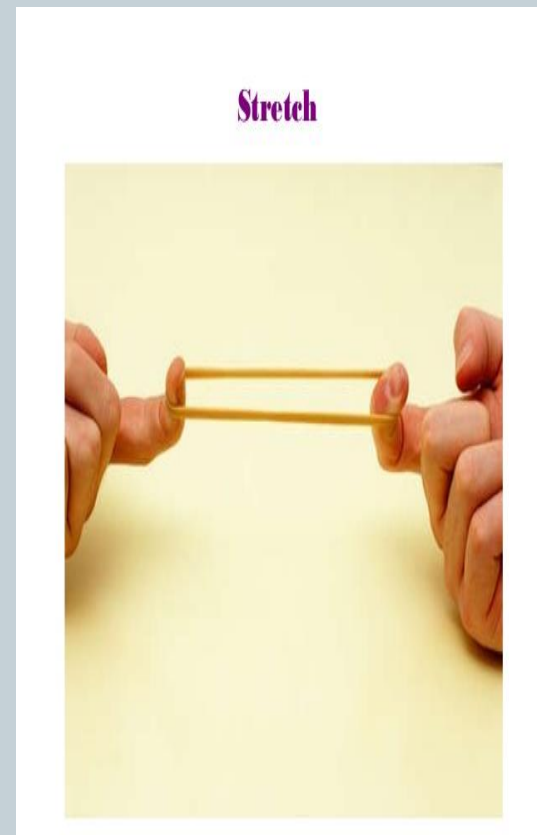
The shape of objects can be changed by:

- **Bending**
- **Stretching**
- **Twisting**
- **Squashing**

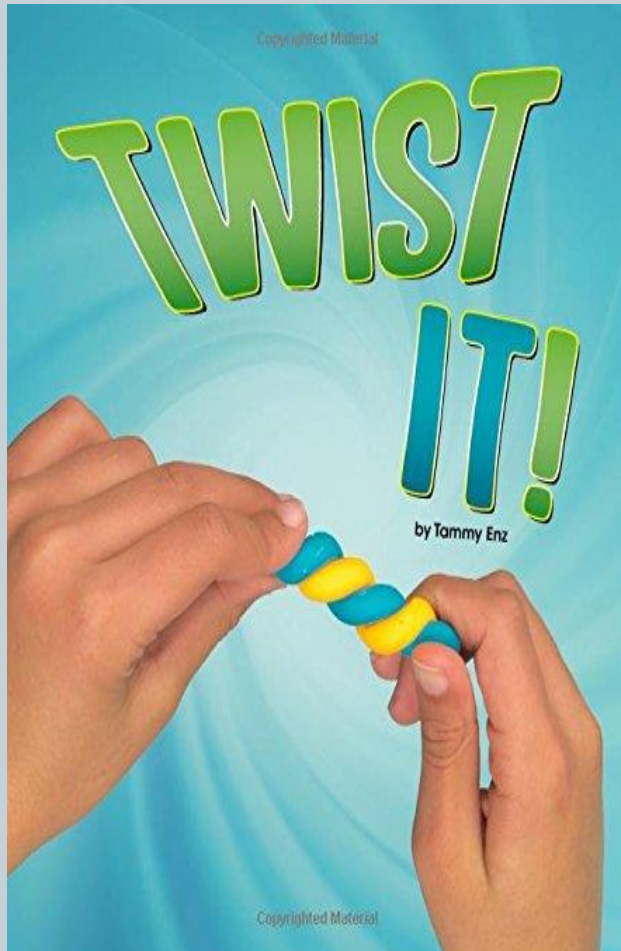
Bend



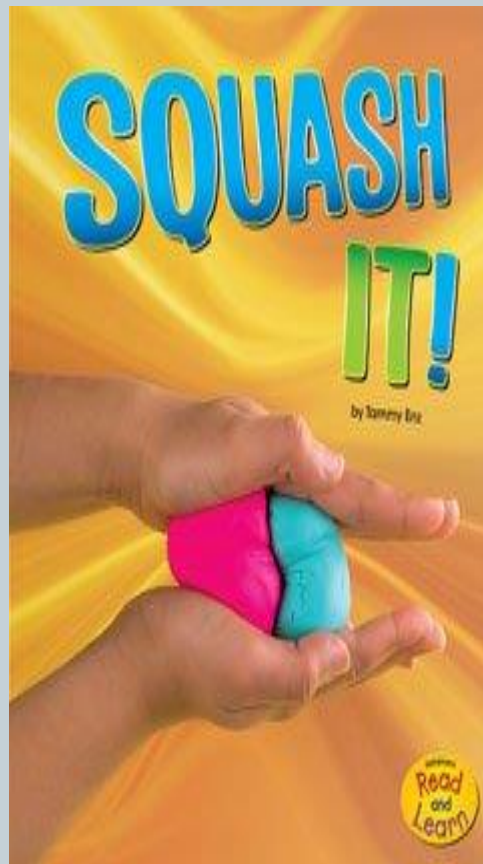
Stretch



Twist



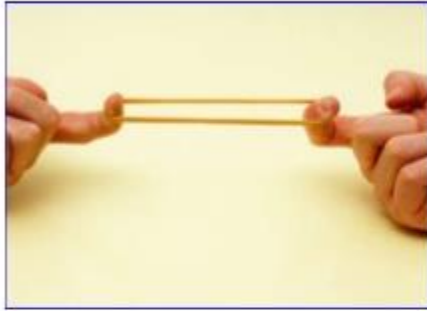
Squash



Bend, twist, stretch and squash will change the shape of the materials.



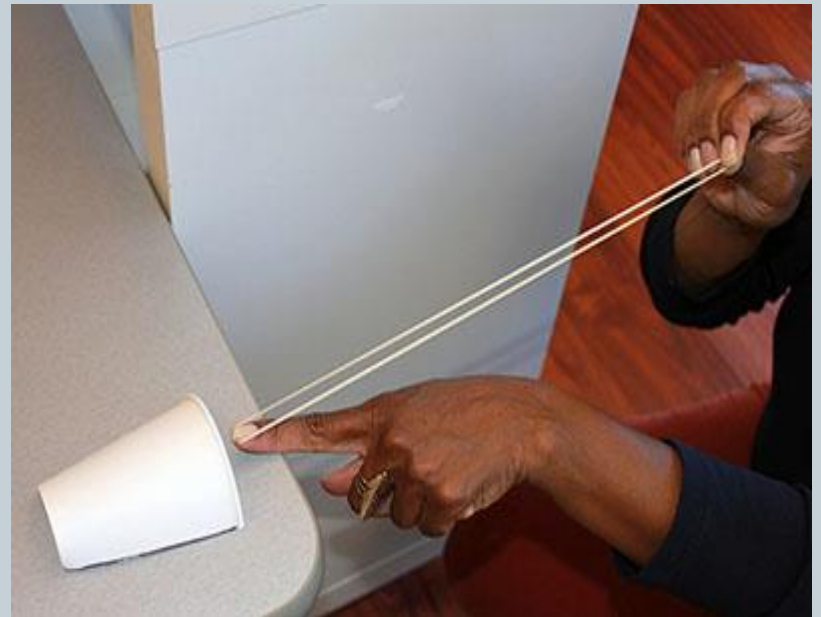
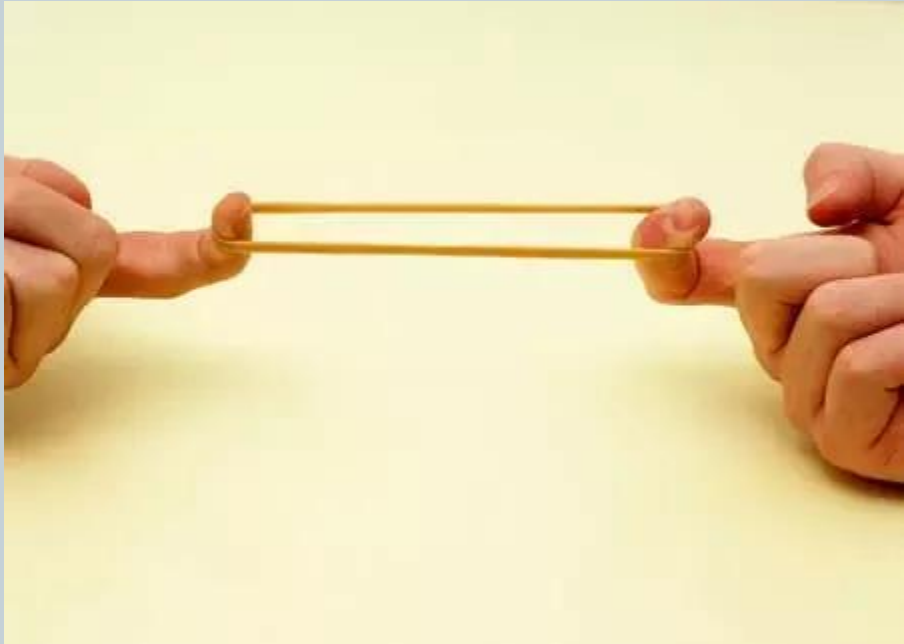
Click on stretch





A rubber band is an elastic object.

It can stretch.

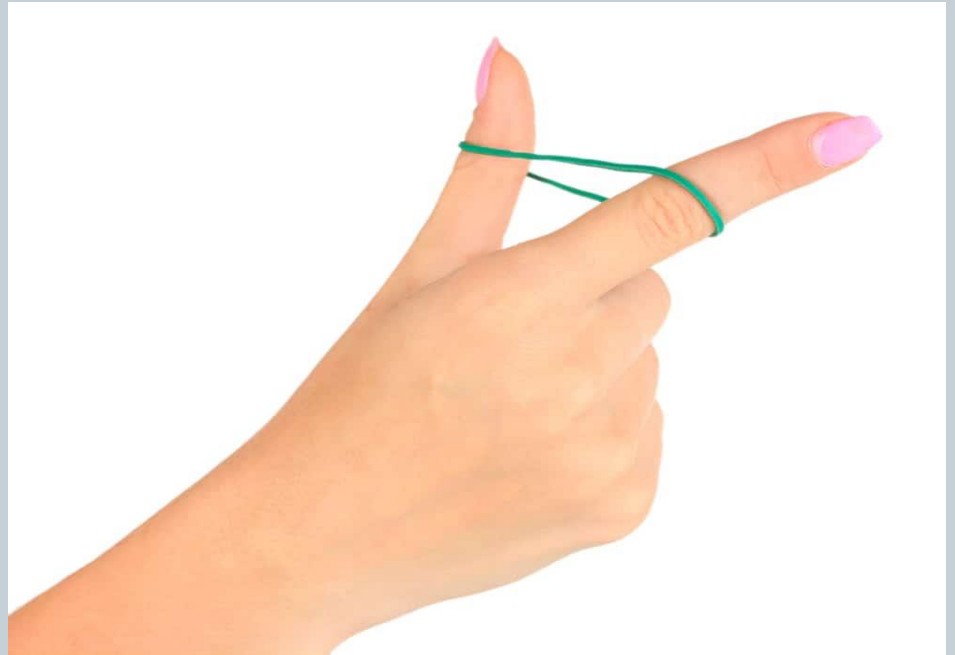




Big rubber band can make big stretches.



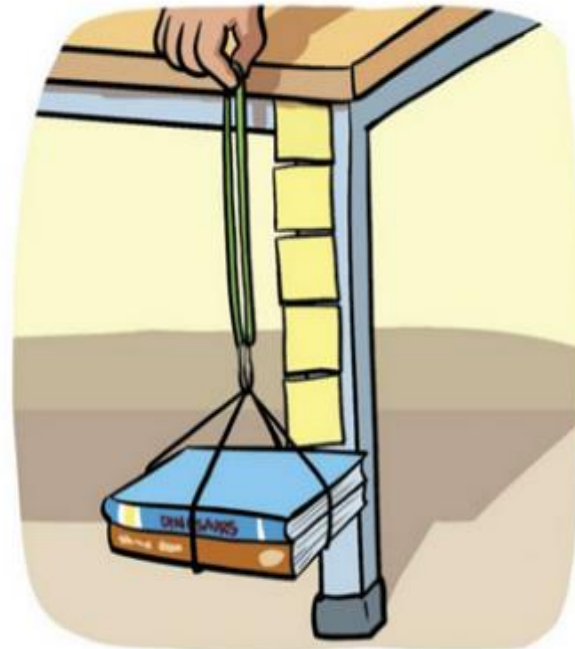
Small rubber band can make small stretches



How forces can change rubber bands

Look at the picture.

-The books are pulling the rubber band.



Q:What happens to the rubber band when there is a bigger pull?

Forces can change the length of the rubber band.





QUESTIONS :

Q1: Lola is wrong. Can you see why?

-Lola has a pattern but her results don't show this clearly.(because they are not in order)

Q2: Why is it a good idea to add one book each time?

Because the pattern is easy to see.