

TOPIC 23.5.2 FRICTION & TOPIC 23.5.2 ELASTIC DEFORMATION



* **STEP 1: Click on the video below before answering the questions** 



* **STEP 2: Answer the following questions** ↗



1. Choose the most correct statement on the effect of force.

- A. Force can change the speed of an object but not its size
- B. Force can change the shape of an object but not its size
- C. Force can change the size of an object but not its shape
- D. Force can change the size and shape of an object

ANSWER

2. Choose the most accurate statement on describing friction.

- A. Friction is an opposing force that increases motion
- B. Friction is an opposing force that may impede motion only
- C. Friction is an opposing that may produce heat only
- D. Friction is an opposing force that may impede motion and produce heat

ANSWER

**3. Friction is high when moving object on a rough surface,
Thus when a force is applied to push the object across the
rough surface the motion of the object will be slow.**

- A. Not true
- B. True
- C. False
- D. None of the above

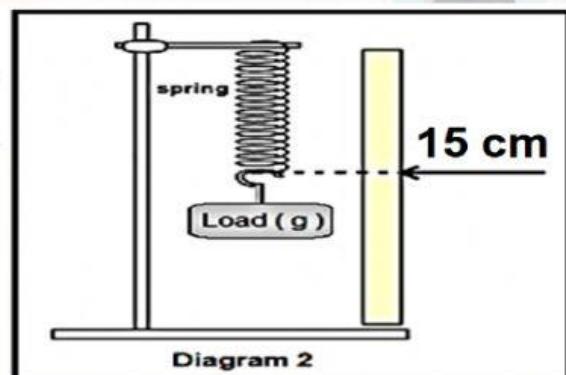
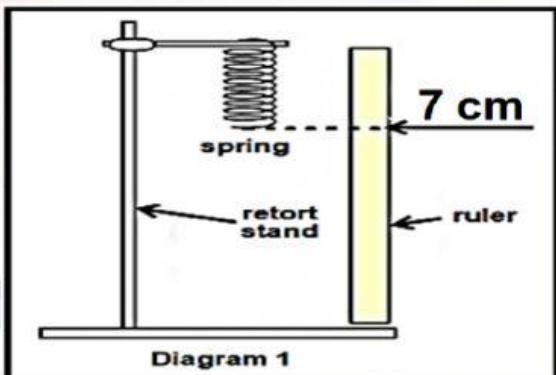
ANSWER

4. Which object will experience an elastic deformation?

- A. a car damaged in a collision
- B. a football being kicked
- C. a log hit by an axe
- D. a target hit by an arrow

ANSWER

5. The diagrams show the same spring with different weights attached



Calculate the extension of the spring

- A. 7cm
- B. 8cm
- C. 9cm
- D. 10cm

ANSWER

* **STEP 3:**

**Click the button “FINISH” at the end of the paper after you have
answered all the questions. Please type in your FULL NAME.**