

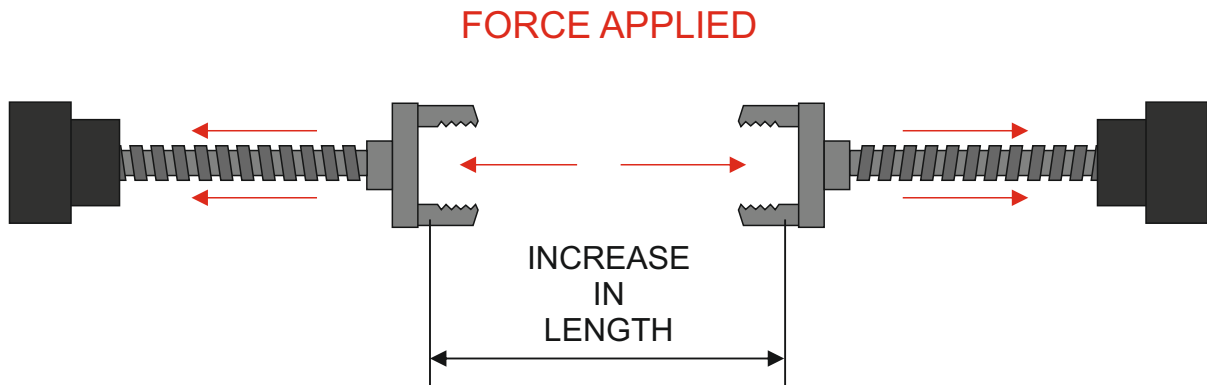
STRAIN, STIFFNESS AND YOUNG'S MODULUS

HELPFUL LINKS:

http://www.technologystudent.com/despro_3/strain.html

1. What is meant by 'Strain', in terms of materials testing? **3 marks**

2. Complete the diagram depicting STRAIN shown below, by adding the shape of the material being tested when force is applied. **2 marks**



3. The ability to resist bending is a mechanical property called 'stiffness'. In the space below, sketch a typical materials test for this property. Add labels. **4 marks**

4. What is Young's Modulus? **2 marks**
