

MATERIAL PROPERTIES - KEY

1. Match the two parts to make correct sentences:

If a material is stiff	it has low elasticity and high tensile strength.
If a material is brittle	it has low elasticity and low tensile strength.
If a material is plastic	it is malleable and/or ductile.
If a material yields	it has been significantly plastically deformed, but not broken.
If a material fractures	it has been loaded beyond its ultimate tensile strength.
If a material is elastically deformed	it has been extended to a point before its elastic limit.

2. Use the words in the box to complete the sentences:

compression	deformation	elongation	extensión	tension
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- A. A stretching force is called **TENSION**
- B. A crushing force is called **COMPRESSION**
- C. Extension is also called **ELONGATION**
- D. Tension causes **ELONGATION** or **EXTENSION**
- E. Tension or compression cause **DEFORMATION**

3. Match the words in the box with the definitions.

ductility	malleable	plastic	natural	insulator
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- A. Coming from nature, such as wood. **NATURAL**
- B. A common synthetic material. **PLASTIC**
- C. A material's ability to not break. **DUCTILITY**
- D. A material that contains heat or electricity. **INSULATOR**
- E. Easily shaped or bent. **MALLEABLE**