

Strength of Materials Worksheet



Indicate the definition for each vocabulary term by writing its letter in the answer box.

Vocabulary Term	Answer
Tensile strength	
Ductile	
Strain	
Modulus of elasticity	
Compressive strength	
Brittle	
Stress	
Steel	
Cement	
Iron ore	
Concrete	
Reinforced concrete	

	Definition
A	The amount of compressive stress that a material can resist before failing.
B	The elongation or contraction of a material per unit length of the material.
C	Rock that contains a high concentration of iron.
D	Iron that is refined to contain virtually no impurities.
E	A concrete member with steel embedded inside it to resist tensile forces.
F	The amount of tensile stress that a material can resist before failing.
G	A combination of cement and aggregate into one solid mass.
H	Indicates the stiffness of a material.
I	The ability of a material to be subjected to large strains before it ruptures or fails.
J	Applied load divided by the material area it is acting on.
K	The ability of a material to show little or no yielding before failure.
L	A powder made of a variety of materials that hardens when mixed with water.

