

Strength of Materials Worksheet **Answers**



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

Vocabulary Term	Answer
Tensile strength	F
Ductile	I
Strain	B
Modulus of elasticity	H
Compressive strength	A
Brittle	K
Stress	J
Steel	D
Cement	L
Iron ore	C
Concrete	G
Reinforced concrete	E

	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.

