

Name:

Date:

Class:

Strength of Materials Worksheet **Answers**

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

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