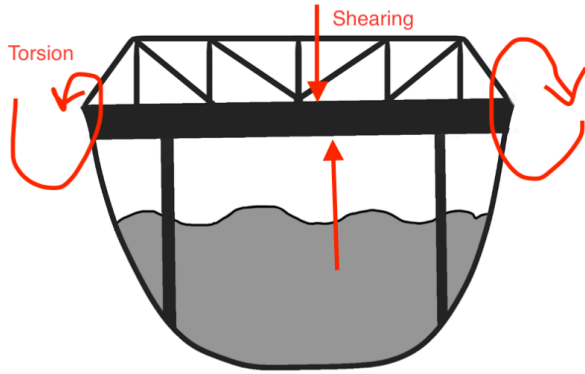


Tear here if you don't want the answer key!

## Answer Key

### Structures: True or False?



1; 0, Most solid structures are solid all the way through; 1; 0, The frame itself is not hollow but solid pieces of metal; 0, A structure can have multiple forces acting on it at once. In fact, there's almost always more than one at a given time. A bridge, for example, deals with gravity, compression, tension, torsion, and shearing all at once.

### The Engineer's Bridge Building Code

Beam Bridge; Truss Bridge; Suspension Bridge.

### Force Diagrams

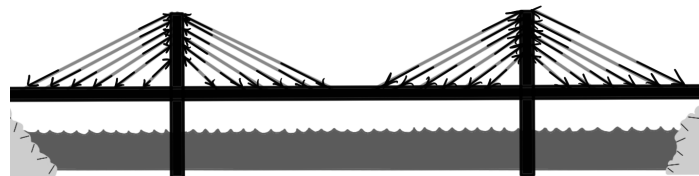
Level 1



Level 2



Level 3



Level 4



## Types of Structures



Variable Name: Pyramids  
Variable Type: Solid



Variable Name: Louis Riel Statue  
Variable Type: Solid



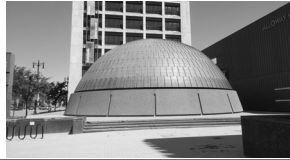
Variable Name: St Boniface Cathedral  
Variable Type: Frame



Variable Name: Taj Majal  
Variable Type: Shell



Variable Name: Eiffel Tower  
Variable Type: Frame



Variable Name: Manitoba Planetarium  
Variable Type: Shell