

ACTIVITY #2 WORKSHEET

Timed Quiz

How fast can you answer the following questions about bridges?

- 1. The distance between two bridge supports is called the _____ :**
 - a. Arch
 - b. Span
 - c. Fathom

- 2. Which of the following is not one of the two major forces exerted on bridges?**
 - a. Momentum
 - b. Compression
 - c. Tension

- 3. What determines the distance a beam bridge can span?**
 - a. The materials of the beam
 - b. The size of the beam
 - c. The density of the beam

- 4. What can be added to make beams taller?**
 - a. Concrete
 - b. Trusses
 - c. Suspensions

- 5. What gives an arch bridge its strength?**
 - a. Its shape
 - b. Its size
 - c. Its material

- 6. What part of a suspension bridge receives the most compression?**
 - a. The cables
 - b. The deck
 - c. The towers

- 7. Tension acts primarily on which part of a suspension bridge?**
 - a. The anchorages
 - b. The cables
 - c. The towers