

- 1. In the movie, Dream Big, we learn that the Great Wall of China was built of stone, wood and bricks and in one region it was also built with what secret ingredient?
 - a. Chow Mein
 - b. Sticky rice
 - c. Tree trunks
 - d. Chopsticks
- 2. What is the tallest building in the world?
 - a. Burj Khalifa in Dubai
 - b. Willis Tower in Chicago
 - c. One World Trade Center in New York
 - d. Shanghai Tower in China
- 3. What is the second tallest building in the world? Hint: The wind engineering for this building was featured in the film.
 - a. Burj Khalifa in Dubai
 - b. Willis Tower in Chicago
 - c. One World Trade Center in New York
 - d. Shanghai Tower in Shanghai
- 4. What is the largest human-made structure ever built? *Hint: it was built 2000 years ago.*
- 5. What kind of bridge is the Golden Gate Bridge in San Francisco?
 - a. Suspension bridge
 - b. Truss bridge
 - c. Cantilever bridge
 - d. Cable-stayed bridge
- 6. What is the Engineering Design Process? List these items in the correct order.
 - a. Test it
 - b. Think about the problem
 - c. Build it
 - d. Do it Again

1st)	
2nd)	
3rd)	
4th)	

- 7. What is an example of a renewable energy source? a. Wind
 - b. Water
 - c. Solar
 - d. All of the above.
- 8. Engineers are constantly looking for ways to bring natural daylight into buildings, because it saves power and fuel. What is this concept called?
 - a. Daylighting
 - b. Nightlighting
 - c. Switchlighting
- 9. The goal of this type of engineering is to protect tall buildings from swaying back and forth and to withstand the force of nature. What is the name of this kind of engineering?
 - a. Wind engineering
 - b. Solar engineering
 - c. Mechanical engineering
- 10. How many carbon emissions does an electric car emit into Earth's atmosphere?
 - a. 10,000
 - b. 1000
 - c. 100
 - d. zero





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ANSWERS:

1. b. sticky rice!

- 2. a. Burj Khalifa in Dubai it soars 163 stories high!
- 3. d. Shanghai Tower in Shanghai, China -it's 128 stories high!
- 4. Great Wall of China
- 5. a. Suspension bridge
- 6. b. Think, c. Build, a. Test, d. Do it Again
- 7. d. All of the above
- 8. d. Daylighting
- 9. a. Wind Engineering
- 10. zero! That means electric cars are great for the environment!