



## Skyscraper Episode Worksheet

### Word Bank

Damper	Holes
Vortex Shedding	Piles
Slosh Tank	Burj Khalifa
Foundation	Wind
Stress	Tension

Fill in the blanks below with the correct word from the word bank above

1. The tallest building in the world is the \_\_\_\_\_.
2. \_\_\_\_\_ are driven down to the bedrock beneath the earth's surface.
3. The most important part of a Skyscraper is the \_\_\_\_\_.
4. Skyscrapers take on a lot of \_\_\_\_\_ and \_\_\_\_\_.
5. \_\_\_\_\_ blowing at 90 miles per hour can greatly impact a Skyscraper.
6. \_\_\_\_\_ occurs when wind moves past a Skyscraper and begins to oscillate, which in turn can cause a Skyscraper to sway back and forth.
7. Skyscrapers are designed with notches, rounded edges, and even \_\_\_\_\_ to reduce the effect of the wind.
8. A \_\_\_\_\_ is a mechanism designed to absorb the energy from a building's movement.
9. A \_\_\_\_\_ holds several tons of water and acts as a damper to counteract the force of wind on a Skyscraper.