





## Answer Key for “Wind Tunnel”

### Listen to the Experts

**Directions:** View the Wind Tunnel interview in the Wind Tunnel Section of the Wright Flyer Online website. After you listen to the expert talk about his work, answer the questions below using complete sentences.

1. Give the expert’s job title and tell what he does in his job.

*Research Engineer. He tests models in the wind tunnel.*

2. In your own words, explain how a wind tunnel works.

*A wind tunnel is a tube or a tunnel in which a model of a plane or part of a plane is mounted. Air is blown around it and measurements are taken. Large fans blow the air through the tunnel.*

3. Name two measurements that are made in a wind tunnel.

*Forces acting on the model, such as lift force and drag force, are measured. Air pressures along the model and airflow around the model are all measured.*

4. Explain how computers are used with wind tunnels to do research.

*Special sensors are placed on the model which take measurements. The computer inputs those measurements as data. The computer then displays the data for researchers to analyze.*