

Name: _____

Date: _____

Gateway Arch

Directions: Read the passage. Then answer the questions from the reading.



The Gateway Arch, also known as the Gateway to the West, is located in St. Louis, Missouri. It was designed by Finnish-American architect Eero Saarinen and structural engineer Hannskarl Bandel in 1947. It stands 630 feet tall, and is 630 feet wide at its base, making it the tallest monument in the United States. Construction of the arch started on February 12, 1963 and was completed on October 28, 1965. The monument opened to the public on July 24, 1967.

The legs are equilateral triangles, narrowing from 54 feet per side at the base to 17 feet at the top. Each wall consists of a stainless steel skin covering a sandwich of two carbon steel walls with reinforced concrete in the middle from ground level to 300 feet.

The interior of the Arch is hollow and contains a unique transport system leading to an observation deck at the top. Passengers in groups of five enter an egg-shaped compartment that travels to the top. Eight compartments are linked to form a train, meaning that both trains have a capacity of 40, and that 80 people can be transported at one time. The trip to the top of the Arch takes four minutes, and the trip down takes three minutes. The car doors have narrow windows, allowing passengers to see the interior stairways and structure of the Arch during the trip.

Near the top of the arch, the rider exits the compartment enter the arched observation area. Thirty-two small windows almost invisible from the ground, allow views across the Mississippi River and southern Illinois, and the City of Saint Louis and St. Louis County to the west beyond the city. On a clear day, one can see up to thirty miles.

1. **What city and state is the Gateway Arch located?** _____
2. **How tall and wide is the arch?** _____
3. **How long did the arch take to construct?** _____
4. **What metals were used in the arch?** _____
5. **What river can be seen from the observation deck?** _____

Name: _____

Date: _____

Gateway Arch

Directions: Read the passage. Then answer the questions from the reading.



The Gateway Arch, also known as the Gateway to the West, is located St. Louis, Missouri. It was designed by Finnish-American architect Eero Saarinen and structural engineer Hannskarl Bandel in 1947. It stands 630 feet tall, and is 630 feet wide at its base, making it the tallest monument in the United States. Construction of the arch started on February 12, 1963 and was completed on October 28, 1965. The monument opened to the public on July 24, 1967.

The legs are equilateral triangles, narrowing from 54 feet per side at the base to 17 feet at the top. Each wall consists of a stainless steel skin covering a sandwich of two carbon steel walls with reinforced concrete in the middle from ground level to 300 feet.

The interior of the Arch is hollow and contains a unique transport system leading to an observation deck at the top. Passengers in groups of five enter an egg-shaped compartment that travels to the top. Eight compartments are linked to form a train, meaning that both trains have a capacity of 40, and that 80 people can be transported at one time. The trip to the top of the Arch takes four minutes, and the trip down takes three minutes. The car doors have narrow windows, allowing passengers to see the interior stairways and structure of the Arch during the trip.

Near the top of the arch, the rider exits the compartment enter the arched observation area. Thirty-two small windows almost invisible from the ground, allow views across the Mississippi River and southern Illinois, and the City of Saint Louis and St. Louis County to the west beyond the city. On a clear day, one can see up to thirty miles.

1. What city and state is the Gateway Arch located?

St. Louis, Missouri

2. How tall and wide is the arch?

630 feet tall, 630 feet wide

3. How long did the arch take to construct?

Two years, eight months

4. What metals were used in the arch?

Stainless steel, carbon steel

5. What river can be seen from the observation deck?

Mississippi River