

# Hyundai's vision for the future: A car that walks on four legs

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Image 1. Hyundai's Elevate walking car concept is shown at the Consumer Electronics Show in Las Vegas, Nevada, January 7, 2019. The car is designed to walk as easily as it rolls. Photo by: Patrick T. Fallon/Bloomberg photo

When people imagine what cars might do, they think of flying. They also think of cars that can drive themselves.

People do not always think of cars that walk.

At the Consumer Electronics Show, Hyundai showed a different idea for a car. This one does not depend on just wheels. The show was held in Las Vegas, Nevada. Hyundai showed their idea on January 7.

Hyundai's new car is made to walk as easily as it rolls. It is a concept car.

Concept cars are made to show new ideas. Many of them are never sold to people.

**Drive, Walk Or Climb Over Uneven Ground**

Hyundai's car is called "Elevate." It has legs like a daddy longlegs spider. There are wheels at the end of the legs. The car would allow users to drive, walk or climb over uneven ground, the company said.

The company said the car could help in disaster areas.

John Suh is Hyundai's vice president. He said after a storm or earthquake, cars have trouble getting through. They take rescue workers just to the edge of a disaster area. Rescuers walk the rest of the way, he said. The Elevate can drive there and climb over rocks, he said.

He said that the car also could help people with disabilities. The Elevate could walk to a front door. Then it would place itself so that a wheelchair could roll in.



### **Legs That Fold Up**

Hyundai said the car is made to walk like animals. That allows it to go in any direction. It also has legs that fold up.

The legs would be able to climb over a 5-foot wall, the company said. They also could step across a 5-foot hole, it said.

Hyundai has a video of the car. It shows the car doing a mix of driving and walking. When the land is flat, the car uses wheels. Then, when the ground is rough, the wheels appear to lock into place. Its legs stretch out, taking steps forward. The legs are set to all move at the same time.

David Byron works at Sundberg-Ferar. It is a company that worked with Hyundai to create the Elevate. It is in Michigan.

Byron said to think of a car stuck in snow off the road. Imagine it being able to walk or climb. It could go back to the road and might save the people inside, he said. This is the future of how cars will move, he said.

## Quiz

1 How is Hyundai's "Elevate" car different than other cars?

- (A) it can fly as well as drive
- (B) it has eight legs like a spider
- (C) it can drive itself without a person
- (D) it has legs with wheels on the end of them

2 Read the section "Drive, Walk Or Climb Over Uneven Ground."

Select the sentence from the section that explains what Hyundai's new car does.

- (A) Hyundai's car is called "Elevate."
- (B) It has legs like a daddy longlegs spider.
- (C) The car would allow users to drive, walk or climb over uneven ground, the company said.
- (D) He said after a storm or earthquake, cars have trouble getting through.

3 How would this car help after a natural disaster?

- (A) it can find people trapped in buildings
- (B) it can be driven underwater to rescue people
- (C) it can be sent into dangerous places without a driver
- (D) it can climb over rocks and get to places a regular car cannot go

4 Read the paragraph from the introduction [paragraphs 1-5].

*Concept cars are made to show new ideas. Many of them are never sold to people.*

Which question is answered in this paragraph?

- (A) Why are concept cars not sold to people?
- (B) What is the name of Hyundai's new concept car?
- (C) What is a concept car?
- (D) Why did Hyundai make its new concept car?

5 When would this car use its wheels?

- (A) underwater
- (B) on flat ground
- (C) when going downhill
- (D) when the ground is rough

6 Which sentence from the article states a main idea of the entire article?

- (A) People do not always think of cars that walk.
- (B) Hyundai's new car is made to walk as easily as it rolls.
- (C) Hyundai said the car is made to walk like animals.
- (D) This is the future of how cars will move, he said.

- 7 Why is the Elevate called a concept car?
- (A) it is not for sale yet
  - (B) the inventor is not sure it will work
  - (C) it was made to show off a new idea
  - (D) it was made only for people that deal with natural disasters
- 8 What is the main idea of the section "Drive, Walk Or Climb Over Uneven Ground"?
- (A) Hyundai's new car can be helpful.
  - (B) Hyundai's new car has wheels at the end of its legs.
  - (C) Cars have trouble getting to disaster areas.
  - (D) People with disabilities could use the Elevate.