

## **2-9 the rising railway coach**

You are launched upward inside a railway coach in a horizontal position with respect to the surface of Earth, as shown in the figure. After the launch, but while the coach is still rising, you release two ball bearings at opposite ends of the train and at rest with respect to the train.

■ Riding inside the coach, will you observe the distance between the ball bearings to increase or decrease with time?

