Venus is sometimes called Earth’s sister planet. It is nearly the same size and mass, but Venus rotates once on its axis every 243 days, and has an atmospheric pressure 90 times that of the Earth.

1) If you could weigh yourself on Venus, using a standard bathroom scale, you would weigh

A. a lot more.

B. a lot less.

C. about the same.

D. exactly the same.

E. There is not enough information to answer the question.

2) Your mass on Venus would be

A. a lot more.

B. a lot less.

C. about the same.

D. exactly the same.

E. There is not enough information to answer the question.

3) The gravitational force of Venus is the gravitational force of Earth.

A. much greater than

B. much less than

C. about the same as

D. exactly the same as

E. There is not enough information to answer the question.

4) Suppose you let go of a pen while standing on the surface of Venus. Compared to releasing an identical pen at the same height while standing on the surface of the Earth, the pen on Venus

A. will hit the ground in much less time (fall a lot faster) than the pen on Earth.

B. will hit the ground in much greater time (fall a lot slower) than the pen on Earth.

C. will hit the ground in about the same amount of time (fall about the same way) as the pen on Earth.

D. will hit the ground in exactly the same amount of time (fall exactly the same way) as the pen on Earth.

E. will not fall.

F. There is not enough information to answer the question.