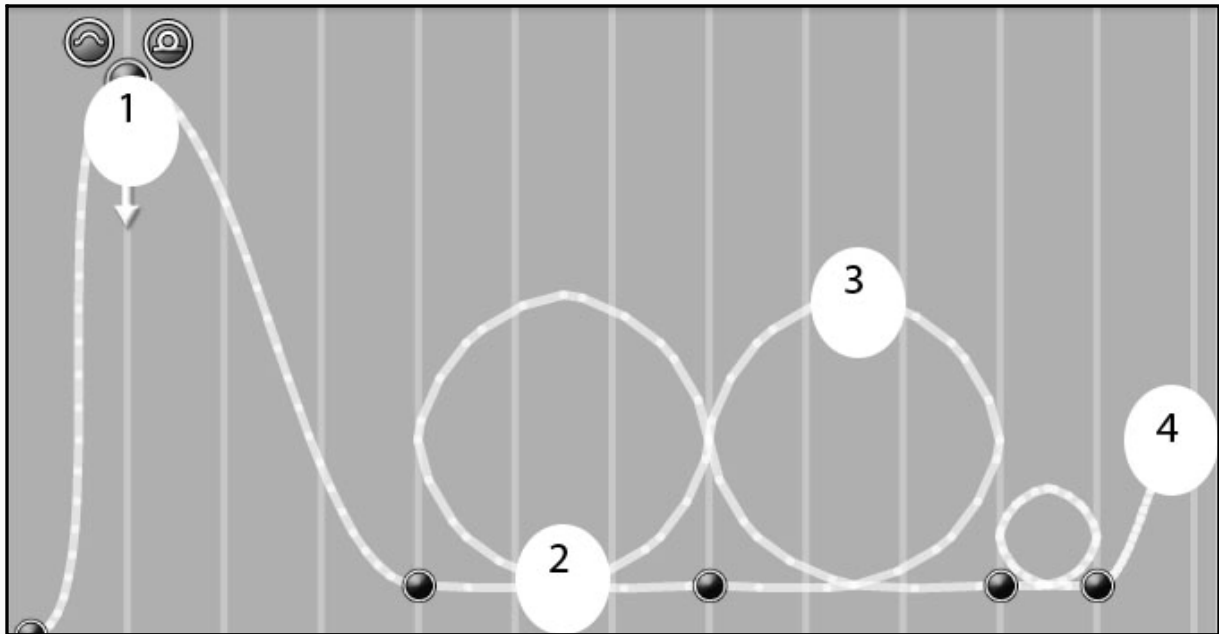




D. Look at the roller coaster track below. At which point (1, 2, 3, or 4) do you think *potential energy* would be the greatest? (*Hint*: Think about how height affects potential energy.) Explain your answer.



2. Use the space below to define: Friction

3. Use the space below to define: Thermal Energy (see page 9 in your book)

4. Use the space below to define: Conservation of Energy (see page 9 in your *Operation: Infinite Potential* book)

5. Sometimes when people are cold they rub their hands together to create friction. Keeping this in mind, briefly explain the relationship between *friction* and *thermal energy*.

A. Using the track below, circle the place where you think your car will have built up the most friction. Explain why you chose your answer:

