Where is friction located on a roller coaster?

After learning what friction is, where on a roller coaster would friction be and what direction would it be going? Where would friction be increased? Look at the picture below and write your hypothesis down.

____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________
____________________________________________________________________________________

[Image of a roller coaster]
The arrows show the direction of the friction force. The thicker arrows show a greater friction force. Look at the picture below.

Where is friction the greatest? Why?

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____________________________________________________________________________________
____________________________________________________________________________________

Why is friction everywhere on the coaster?

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____________________________________________________________________________________
____________________________________________________________________________________

What does friction cause the cars to ultimately do?

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____________________________________________________________________________________
____________________________________________________________________________________

What type of friction (sliding, rolling, or fluid) is present?

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