

0	A train is coasting around a large circular track. It is then switched to a smaller circular track. How does its speed change? Assume no friction.	
	The speed will stay approximately the same. Sometimes a small slowdown might be detectable with the naked eye.	It's unclear; modeling the problem in different ways gives different answers; it may slow down or speed up

3	If we include the fact that the train is on the earth and the earth is rotating, does one reasonable model suggest that the train will either speed up or slow down, depending on the direction of the track relative to the earth's rotation?	
	I think an increase is impossible, except maybe to an insignificant amount	Yes

13	If we consider the earth to be stationary, does one reasonable model suggest the train will slow down?	
	Yes, but the slowdown is small	Yes

14	If we model the train in its rotating reference frame, does the coreolis effect suggest it speeds up?	
	I think an increase is impossible, except maybe to an insignificant amount	Yes

19	Does this coreolis effect cause the train to speed up?	
	No (or rather if it puts upward pressure on the speed, the centrifugal force or other correction factors will exactly cancel that)	Yes

25	Does the coreolis effect cause the train to accelerate perpendicular to the radial direction?	
	Not on the net, because it will be cancelled by other correction factors	Yes