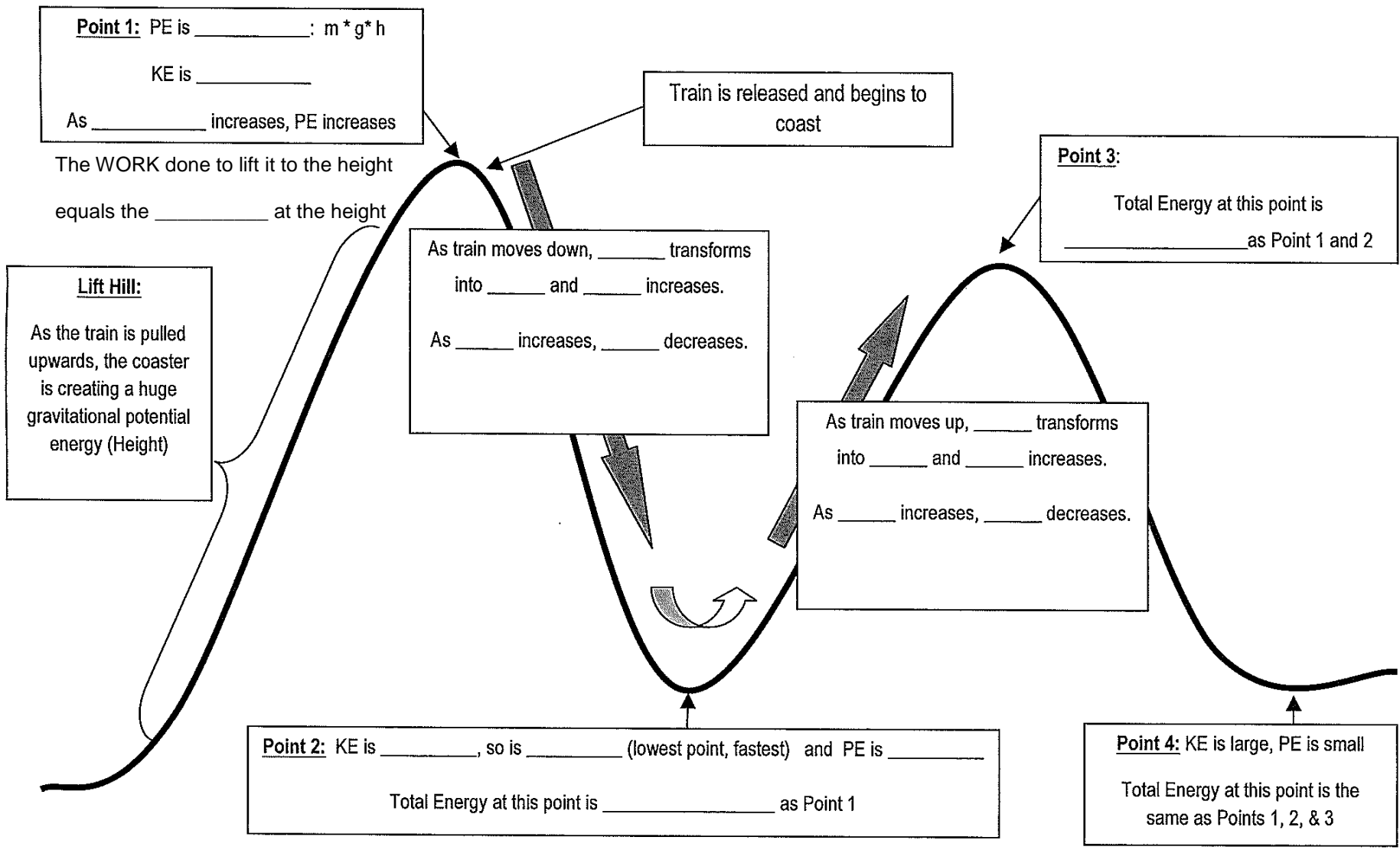


Roller Coaster Physics - Energy



Law of Conservation of Energy: Energy cannot be _____ or _____



Although the potential energy and kinetic energy change quite a bit, their total ideally stays constant (at 100%) starting at the top of the lift hill and while the train coasts around the roller coaster.



In this ideal case, we say that the **total energy is "conserved."** Therefore, Total Energy at the beginning _____ Total Energy at the end.