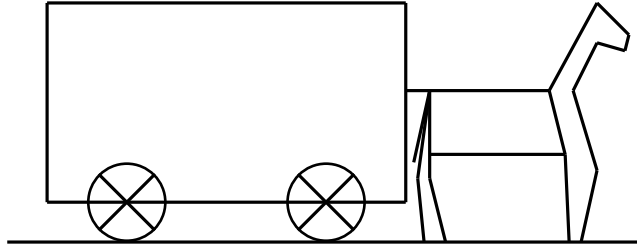


This might be the oldest “brain twister” in classical physics.



Which is correct?

- A) The horse can pull the buggy forward only if the horse weighs more than the buggy.
- B) The horse pulls forward slightly harder on the buggy than the buggy pulls backward on the horse, so they move forward.
- C) The horse pulls before the buggy has time to react so they move forward.
- D) The force on the buggy is as strong as the force on the horse. The horse is jointed to the earth by flat hoofs, while the buggy is free to roll on its round wheels.

(1) is contrary to our life experience. (2) and (3) violate the newton's third law.

Answer **D**.

05.06-02'Horse'and'Buggy 2004-3-24