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An object is moving in such a way that the rate at which it is losing gravitational potential energy is the same as the rate at which it is gaining kinetic energy. You can conclude that

- a) The object is free falling.
- b) There is a net force on the object.
- c) Both a and b.
- d) Neither a nor b.

2.

One farmer is bragging about his strong horse, while his neighbor is proud of her powerful horse. If the farmers are giving the words "strong" and "powerful" their correct physical meanings, what can you say about the two horses?