

Answer on Question #47752, Physics, Other

Which of the following statements are true of all free-falling objects? List all that apply

- A. Air resistance has a negligible effect upon the object**
- B. Gravity is the only force acting upon the object**
- C. such objects accelerate at rate dependent upon their mass**
- D. The net force on the object is equal to mg**
- E. The acceleration of the object has a magnitude of 9.8 m/s/s.**
- F. The velocity of the object is continuously changing**
- G. None of these statements are true.**

From listed statements C, E and G are wrong. C - if object is in free fall there are no dependence of its mass. E - acceleration of the object has a magnitude of 9.8 m/s/s only on Earth and can be different on other planets. All other statements are true.