

Indicate whether the statement is true or false. If it is false, change the identified word(s) to make the statement true You push on a book and it moves. The force acting on it is sliding friction. _____

1. Friction is a force that speeds up motion between two surfaces that are in contact. _____

Indicate the answer choice that best completes the statement or answers the question

2. The unit of force is ____.
- A. m/s B. the hertz
- C. the joule D. the newton
3. Which of the following is an example of a noncontact force?
- A. musician playing piano
- B. athlete hitting a ball with a bat
- C. a ball falling after you toss it in the air
- D. karate expert breaking a stack of wood
4. An arrow can be used to represent a force. The length of the arrow represents ____.
- A. direction of the force B. strength of the force
- C. mass of the force D. acceleration of the force

Enter the appropriate word(s) to complete the statement /

5. A(n) _____ is a push or pull.
6. A(n) _____ is the gravitational force that exerted on an object