

Frictional Force

1. Answer the following questions:

A. What is frictional force?

B. What is kinetic friction?

C. What is amontons' second law?

D. What is radiation friction?

2. Write True or False:-

A. Dry friction is subdivided into static friction between nonmoving surfaces.

B. Friction is a component of the science of tribology.

C. Friction is desirable and important in supplying traction to facilitate motion on land.

3. Fill in the blanks:-

- A. Friction is not itself a _____.
- B. The force of friction is directly _____ to the applied load.
- C. _____ is independent of the sliding velocity.

4. Match the following:-

Column A	Column B
i. Rolling resistance forces is	A. Deformation
ii. Breaking friction undergoes	B. acting on a belt wrapped
iii. Belt friction	C. rolling of a wheel or other circular object
iv. Internal friction	D. any wheel equipped with a break