

Name: _____ Date: _____

Force and Pressure

Q1. State True (T) or False (F).

- i. Air exerts pressure in all directions. _____
- ii. The north pole of a magnet attracts the north pole of another magnet. _____
- iii. The pressure exerted by a liquid depends on the area of base of its container. _____
- iv. To draw water from a well, we have to apply push force at the rope. _____
- v. A force arises due to the interaction between two objects. _____
- vi. The strength of a force is usually expressed by its magnitude. _____

Q2. Fill in the blanks.

- i. To draw water from a well we have to _____ at the rope.
- ii. A charged body _____ an uncharged body towards it.
- iii. To move a loaded trolley we have to _____ it.
- iv. The north pole of a magnet _____ the north pole of another magnet.
- v. The atmospheric pressure is due to the weight of _____ present in the atmosphere above us.
- vi. Force has _____ as well as direction.
- vii. Liquids exert equal pressure at the same _____.
- viii. Liquids and gases exert pressure on the _____ of their containers.

Q3. What is the unit of force?

Ans. _____

Q4. Give one example where force moves a stationary object.

Ans. _____

Force and Pressure

Q1. State True (T) or False (F).

- i. Air exerts pressure in all directions. True
- ii. The north pole of a magnet attracts the north pole of another magnet. False
- iii. The pressure exerted by a liquid depends on the area of base of its container. True
- iv. To draw water from a well, we have to apply push force at the rope. False
- v. A force arises due to the interaction between two objects. True
- vi. The strength of a force is usually expressed by its magnitude. True

Q2. Fill in the blanks.

- i. To draw water from a well we have to pull at the rope.
- ii. A charged body attracts an uncharged body towards it.
- iii. To move a loaded trolley we have to push or pull it.
- iv. The north pole of a magnet repels the north pole of another magnet.
- v. The atmospheric pressure is due to the weight of air present in the atmosphere above us.
- vi. Force has magnitude as well as direction.
- vii. Liquids exert equal pressure at the same depth.
- viii. Liquids and gases exert pressure on the walls of their containers.

Q3. What is the unit of force?

Ans. Newton

Q4. Give one example where force moves a stationary object.

Ans. Pushing a chair.