

INTERNATIONAL INDIAN SCHOOL, JEDDAH.

SCIENCE WORKSHEET. VI-VIII(BS).

CLASS: VIII

CHAPTER: 11

FORCE AND PRESSURE.

1. Name the following:

- a. The instrument used to measure force. _____.
- b. The force that is exerted by a charged body on another charged or uncharged body. _____.
- c. The SI unit of pressure. _____.
- d. The force that opposes motion of an object. _____.
- e. The force of attraction that pulls object towards earth. _____.
- f. The pressure caused by the weight of air on a unit area. _____.
- g. The force used in removing iron scrap from a mixed scrap. _____.
- h. The rise of water in straw while drinking water is due to _____.
- i. The atmospheric pressure acting on our body from outside is balanced by the _____ acting from inside.

2. State the effects of force.

3. Differentiate between contact forces and non-contact forces.

4. The mountaineers suffer from nose bleeding at higher altitudes. Why?

5. The walls of dams are made thick at the bottom and thin upwards. Why?

6. The foundations of buildings are made wide. Give reason.

7. The divers use a special suit to go deep into the sea. Explain.

8. Trucks and buses have double tyres in the rear end. Give reason.

9. You can fill a bucket from a downstairs tap quicker than from an upstairs tap.
Why?

10. When do we exert more pressure on the ground, while standing or lying on
the floor? Explain.

11. A force of 200N acts on an area of 4 m. What would be the pressure acting
there?
