

St. Andrews Scots Sr. Sec. School

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Session:2022 - 2023

Class: VIII

Subject: Science

Topic: Pressure

Worksheet No:11

Q.1.State whether the given statements are true or false.

- a) Pressure does not depend on area of contact.
- b) Pascal is the unit of force.
- c) Earth's atmosphere is a mixture of gases called air.
- d) Pressure inside a liquid decreases with depth.
- e) Gases exert pressure on all the surfaces of a container.

Q.2. Answer in one word:

- a) What is the name of the instrument used to measure atmospheric pressure?
- b) What is the SI unit of pressure?
- c) Which device is used to measure exerted by liquids?
- d) Which pressure is exerted by air around us?

Q.3. Give reasons of following:

- a) Knife has sharp edges
- b) High rise buildings have broader base.
- c) It is easier to walk on sand with fl at shoes rather than high heels.
- d) Atmospheric pressure helps us in drinking from straw
- e) Pressure of sea increases with increase in depth

Q.4. Answer the following questions:

- a) What is pressure? What is the relation of pressure with area on which it is applied?
- b) Why do sea divers wear specially designed suits?
- c) How do liquids and gases exert pressure?
- d) Why do people with high blood pressure sweat a lot?