

5. How long must a barometer tube be so that the Torricellian vacuum will be formed? If a barometer indicated 370 m.m. pressure, the true atmospheric pressure being 740 m.m., what would you suspect?

6. Define energy.

How can it be measured? If a cannon ball weighing 1 kilogramme has reached a height of 500 metres, how much energy has been communicated to it?

7. Explain how to compare the densities of two liquids by means of a bent tube. Is it necessary that the two limbs of the tube should be of the same bore?

8. What conditions are necessary to the successful operation of a siphon?