



PHYSICS

NCERT - NCERT Physics(Hinglish)

SOME NATURAL PHENOMENA

Exercise

1. Which of the following cannot be charged easily by friction?

- A. A plastic scale
- B. A copper rod
- C. An inflated balloon
- D. A woollen cloth

Answer: B



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2. When a glass rod is rubbed with a piece of silk cloth the rod

A. and the cloth both acquire positive charge.

B. becomes positively charged while the cloth has a negative charge.

C. and the cloth both acquire negative charge.

D. becomes negatively charged while the cloth has a positive charge.

Answer: D



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3. Write T against true and F against false in the statements.

Like charges attract each other. (T/F)



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4. Write T against true and F against false in the statements.

A charged glass rod attracts a charged plastic straw. (T/F)





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5. Write T against true and F against false in the statements.

Lightning conductor cannot protect a building from lightning. (T/F)



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6. Write T against true and F against false in the statements.

Earthquakes can be predicted in advance. (T/F)



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7. Sometimes, a crackling sound is heard while taking off a sweater during winters. Explain.



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8. Explain why a charged body loses its charge if we touch it with our hand.



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9. Name the scale on which the destructive energy of an earthquake is measured. An earthquake measures 3 on this scale. Would it be recorded by a seismograph? Is it likely to cause much damage?



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10. Suggest three measures to protect ourselves from lightning.



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11. Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon?



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12. Describe with the help of a diagram an instrument which can be used to detect a charged body.



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13. List three states in India where earthquakes are more likely to strike.



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14. Suppose you are outside your home and an earthquake strikes. What precaution would you take to protect yourself?



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15. The weather department has predicted that a thunderstorm is likely to occur on a certain day. Suppose you have to go out on that day. Would you carry an umbrella? Explain.



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