Name: _____ Date: _____

Some Natural Phenomena

Q1.   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.

Ans.   _____

Q2.   What damage is caused by lightning?

Ans.   _____

_____

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Q3.   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.

Ans.   _____

Q4.   What will happen when the metal top of an electroscope is touched with a glass rod which has been rubbed with silk cloth? Give reason for your answer.

Ans.   _____

_____

_____

Some Natural Phenomena

Q1. 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.

Ans. (b) A copper rod

Q2. What damage is caused by lightning?

Ans. When lightning strikes a tree, it can burn up the tree. And when a person is hit by lightning during a thunderstorm, then electric energy passes through the body of the person due to which the person get severe burns and get killed. Thus, it can cause a lot of destruction by damaging property, trees and killing people.

Q3. 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.

Ans. (b) becomes positively charged while the cloth has a negative charge.

Q4. What will happen when the metal top of an electroscope is touched with a glass rod which has been rubbed with silk cloth? Give reason for your answer.

Ans. The aluminium foil strips receive the same charge from the charged glass rod through the paper clip. The strips carrying similar charges repel each other and they become wide open.